# MONTHLY WEATHER REVIEW.

WILLIS L. MOORE, Chief U. S. Weather Bureau.

Vol. 38. JUNE, 1910. No. 6

Editor, Prof. FRANK H. BIGELOW, L. H. D., In Charge Climatological Division.
Assistant Editor, P. C. DAY.

DISTRICT EDITORS.

*District No. 1, North Atlantic States.*
Wilford M. Wilson, Ithaca, N. Y.
*District No. 2, South Atlantic and east Gulf States.*
Charles F. von Herrmann, Atlanta, Ga.
*District No. 3, Ohio Valley.*
Ferdinand J. Walz, Louisville, Ky.
*District No. 4, Lake region.*
Prof. Henry J. Cox, Chicago, Ill.
*District No. 5, Upper Mississippi Valley.*
George M. Chappel, Des Moines, Iowa.
*District No. 6, Missouri Valley.*
Montrose W. Hayes, St. Louis, Mo.
*District No. 7, Lower Mississippi Valley.*
Isaac M. Cline, New Orleans, La.
*District No. 8, Texas and Rio Grande Valley.*
Bernard Bunnemeyer, Houston, Tex.
*District No. 9, Colorado Valley.*
Frederick H. Brandenburg, Denver, Colo.
*District No. 10, Great Basin.*
Alfred H. Thiessen, Salt Lake City, Utah.
*District No. 11, California.*
Prof. Alexander G. McAdie, San Francisco, Cal.
*District No. 12, Columbia Valley.*
Edward A. Beals, Portland, Oreg.

CONTRIBUTING CORRESPONDENTS.

Summaries of weather conditions and meteorological data are contributed by the directors of the following meteorological and other services:

The Meteorological Service of the Dominion of Canada.
The Central Meteorological and Magnetic Observatory of Mexico.
The Meteorological Service of Cuba.
The Meteorological Observatory of Belen College, Habana.
The Government Meteorological Office of Jamaica.
The Meteorological Service of the Azores.
The Meteorological Office, London.
The Danish Meteorological Institute, Copenhagen, Denmark.
The Physical Central Observatory, St. Petersburg, Russia.
The Philippine Weather Bureau, Manila.
The General Superintendent of the United States Life-Saving Service.
The Director-General of Mexican Telegraphs.

Contributions for the MONTHLY WEATHER REVIEW concerning agriculture, transportation, water uses and resources, forestry, and similar practical subjects, should be addressed to the editors of the several districts interested in the subjects. The post-office addresses are at the U. S. Weather Bureau local offices in the cities mentioned.

Contributions for the MONTHLY WEATHER REVIEW from foreign correspondents should be addressed to the Chief, U. S. Weather Bureau, Washington, D. C.

Papers on general meteorology should also be addressed to the Chief of the Bureau.

Price of a single copy, 35 cents; $4.00 per year. Foreign postage additional. District separates, 5 cents each.

CONTENTS.

PART I.—CLIMATOLOGY.

1. Climatological Summaries, Tables, Maps. } Complete for each district; also issued as separates.
2. Papers on climatology in relation to agriculture, transportation, water resources, etc.

PART II.—METEOROLOGY.

3. Weather, forecasts and warnings for the month.
4. Rivers and floods.
5. Special papers on general meteorology.

PART III.—GENERAL TABLES AND CHARTS.

6. General Tables.
   - I. Climatological data for U. S. Weather Bureau stations.
   - II. Accumulated amounts of precipitation.
   - III. Data furnished by the Canadian Meteorological Service.

Part III.—GENERAL TABLES AND CHARTS—*Continued.*

7. General Charts.
   - I. Hydrographs of several principal rivers.
   - II. Tracks of centers of high areas.
   - III. Tracks of centers of low areas.
   - IV. Temperature departures from the normal.
   - V. Total precipitation.
   - VI. Percentage of clear sky between sunrise and sunset.
   - VII. Isobars and isotherms at sea level; prevailing winds.
   - VIII. Total snowfall.

# Climatological Data for June, 1910.
## DISTRICT No. 1, NORTH ATLANTIC STATES.

WILFORD M. WILSON, District Editor.

### GENERAL SUMMARY.

The month of June was remarkable for the sudden and complete reversal in the general character of the weather that took place about the 18th. Previous to that date there were frequent and, in some localities, severe storms accompanied with heavy rainfall, much cloudiness, prevailing low temperatures, and frosts in exposed places; while from the 18th to 30th fair and decidedly warm weather prevailed. Notwithstanding the high temperature of the last decade the month was colder than usual, the deficiency being remarkably even in its distribution over the district. More than the usual amount of rain occurred in all parts of the district except New York, where the deficiency approached half an inch. As a rule the rainfall was heaviest in the southern part of the district and least in the interior of New York and New England. In some localities, particularly in New York where the rainfall was less than elsewhere, the evaporation from the soil under the full sunshine and high temperature of the last decade was remarkably rapid, and there were many limited areas where the conditions were rapidly approaching those of a drought.

Freezing temperature occurred in New England, New York, and Pennsylvania on the 4th and 5th, resulting in considerable damage to fruits and gardens.

### TEMPERATURE.

The average temperature for the district as a whole was 65.8°, which is about 2.3° below the June normal. The month was colder than usual in all parts of the district, the deficiency of temperature being least, about 1.8° per day, in New England and greatest in Virginia, where it averaged nearly 3° daily. Although exceptionally cold weather prevailed at the opening of the month, the temperature continued to decline and from the 4th to the 8th the coldest period of the month prevailed. Freezing temperature occurred in the interior of New England, New York, and the more elevated parts of Pennsylvania, particularly on the 4th and 5th. At Grafton, N. H., the temperature fell to 25° on the morning of the 5th, while at Morehouseville, N. Y., a minimum temperature of 24° was recorded on the 4th and of 31° on the 5th, freezing temperatures being general on both dates over a considerable area in northern New York. For the remainder of the district only one station, Wellsboro, Pa., reported freezing weather during this period. The damage from the frosts was confined mostly to limited areas in the interior of New England, where garden truck and other tender plants, and in some localities fruit blossoms suffered considerable injury.

Although there was a gradual increase in temperature following this cold period, the conditions did not return to normal until near the middle of the month. In New York the average temperature for the first 13 days of the month was more than 10° below the normal, while at Philadelphia the average for the first 12 days was lower than that of any corresponding period in the past 40 years.

During the latter part of the second decade the rise in temperature was quite rapid, culminating in a decidedly warm period that continued from the 20th to the 23d, inclusive, during which temperatures of 90° or above were generally recorded throughout the district.

The 21st and 22d were the warmest days in most sections and much suffering, many prostrations, and several deaths are traceable directly to the high temperature and excessive humidity that prevailed, particularly in the large cities on the Atlantic coast. The enervating and discomforting effect of the hot weather was probably largely increased in this instance by the fact that it developed so suddenly after such a prolonged period of abnormally low temperature. The highest temperatures were generally reached on the 22d, when a maximum of 95° was recorded at Rockport, Mass.; 96° at Bedford, N. Y.; 95° at New Brunswick, N. J.; and 102° at Lincoln, Va. During the remainder of the third decade the temperature remained considerably above the normal, with a slight increase toward the end of the month when temperatures as high as 95° were recorded in the southern part of the district.

### PRECIPITATION.

The monthly average precipitation for the district was 5.44 inches, which is about 1.52 inch more than the average of past years. The rainfall was least in New York, about 0.46 inch below the June average, and greatest in Virginia and West Virginia, where it approached twice the usual amount. With the exception of light local showers on the 27th and 28th, practically all the rains occurred previous to the 19th. The month opened cloudy and threatening, with light and scattered showers, particularly in New York and Pennsylvania on the 1st. Moderately heavy rains occurred over the central and southern parts of the district on the 3d, but the first general rain of the month set in over the southern part of the district on the morning of the 5th, under the influence of a storm of moderate intensity, central over western Pennsylvania, and advancing rapidly northward reached New England during the afternoon of that day. The rains were general and moderately heavy and continued in the northern sections until the 7th. Scattered showers occurred on the 8th and 9th, but on the 10th an area of low pressure that had moved eastward from the lower Mississippi Valley approached the district from the southwest and, although the center of the storm did not cross the district, the rains that resulted from the 10th to the 12th were general, continuous, and at many places, particularly in the central and southern sections, excessive. Rains of 2.50 inches or more in the 24 hours occurred during this period as follows: On the 9th, 2.71 at Dover, Del.; on the 9–10th, 2.73 at Bridgeton, N. J.; 2.65 at Northfield, N. J., 2.80 at Tuckerton, N. J., 2.76 at Vineland, N. J.; and between 3 p. m. and 6 p. m. on the 12th, 2.52 at Eastville, Va.

### RIVER CONDITIONS.

Practically the only damage from high streams within the district occurred on the upper Potomac River and its tributaries about the 17th, closely following exceptionally heavy rains over that watershed on the 16th. Capon River, Cheat River, and other streams in that region are reported to have reached the highest stages known for several years. In the main valley there was great damage to railroad tracks, farms, factories, and bridges. Many persons were driven from their homes by the flood and there was actual loss of life, a middle-aged logging contractor being drowned in the attempt to cross a stream, while several narrow escapes from a similar fate have been reported.

Through the remainder of the district the streams remained at moderate stages until near the close of the month, when they were effected by the lack of rainfall. There was a gradual rise at most points during one or two weeks, but the highest stages were far below the flood mark. Then followed a steady decline that continued far into the following month and to some extent interfered with the use of water power. However, there was no shortage in the water supply during June, owing to the fact that the rainfall was frequent and mostly in moderate quantities rather than in the form of excessive general rains. In Pennsylvania, where there was a considerable excess in rainfall, the streams were somewhat above the average stage for June, but their variation was slight, the difference between the highest and lowest stages for the month being generally less than 4 feet on the Susquehanna and about 2 feet on the Delaware.

TABLE 1—*Climatological data for June, 1910. District No. 1, North Atlantic States.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | Prevailing wind direction. | |
| *Maine.* | | | | | | | | | | | | | | | | | | | |
| Bar Harbor | Hancock | 20 | 24 | 58.3 | − 1.8 | 85 | 20† | 33 | 5 | 35 | 4.15 | + 1.21 | 1.40 | 0.0 | 9 | 13 | 10 | 7 | sw. | Wm. Miller. |
| Cornish | York | 778 | 55 | 62.0 | − 3.2 | 92 | 22 | 31 | 5 | 39 | 3.39 | − 0.30 | 1.09 | 0.0 | 11 | 8 | 12 | 10 | nw. | T. H. West. |
| Eastport | Washington | 53 | 38 | 55.6 | + 1.2 | 80 | 14 | 41 | 5 | 29 | 2.72 | − 0.52 | 0.53 | 0.0 | 16 | 3 | 17 | 10 | s. | U. S. Weather Bureau. |
| Fairfield | Somerset | 90 | 25 | | | | | | | | | | | | | | | | | Edward F. Parker. |
| Farmington | Franklin | 450 | 13 | 61.5 | | 86 | 22 | 33 | 5 | 39 | 3.15 | | 0.77 | 0.0 | 15 | 9* | 8* | 12* | nw. | State Normal School. |
| Gardiner | Kennebec | 163 | 18 | 62.2 | − 3.0 | 88 | 21† | 35 | 5 | 34 | 2.26 | − 0.14 | 0.66 | 0.0 | 15 | 12 | 9 | 9 | w. | Samuel D. Soule. |
| Greenville | Piscataquis | 1,000 | 6 | 57.7 | | 80 | 22 | 33 | 5 | 32 | 5.31 | | 2.30 | 0.0 | 16 | | | | | U. S. Weather Bureau. |
| Houlton | Aroostook | 362 | 8 | 57.8 | | 85 | 22† | 29 | 6 | 45 | 2.50 | | 1.20 | 0.0 | 7 | 15 | 5 | 10 | ne. | Bangor & Aroostook R. R. |
| Lewiston | Androscoggin | 185 | 36 | 63.2 | − 1.2 | 89 | 21 | 40 | 5 | 40 | 2.62 | − 0.83 | 0.77 | 0.0 | 14 | 11 | 9 | 10 | nw. | Union Water Power Co. |
| Madison | Somerset | 257 | 7 | | | | | | | | | | | | | | | | | Wm. Jardine. |
| Millinocket | Penobscot | 386 | 7 | 60.8 | | 85 | 20† | 31 | 5 | 38 | 4.37 | | 0.72 | 0.0 | 16 | 6 | 6 | 18 | nw. | H. S. Ferguson. |
| North Bridgton | Cumberland | 450 | 17 | 62.6 | − 2.0 | 90 | 22 | 35 | 5 | 40 | 3.28 | + 0.07 | 1.01 | 0.0 | 12 | 7 | 15 | 8 | sw. | G. E. Chadbourne. |
| Orono | Penobscot | 129 | 41 | 61.6 | − 0.7 | 87 | 22 | 31 | 5 | 37 | 2.70 | − 0.84 | 0.43 | 0.0 | 13 | 5 | 10 | 15 | nw. | Agricultural Exp. Station. |
| Patten | do | 550 | 8 | 57.8* | | 85* | 27 | 47* | 6 | 42* | 4.28 | | 0.75 | 0.0 | 16 | 9* | 7* | 9* | w. | Bangor & Aroostook R. R. |
| Portland | Cumberland | 99 | 39 | 61.2 | − 1.4 | 89 | 22 | 41 | 4 | 27 | 3.26 | − 0.10 | 0.83 | 0.0 | 15 | 5 | 14 | 11 | w. | U. S. Weather Bureau. |
| Presque Isle | Aroostook | | | 57.2 | | 84 | 27 | 28 | 5 | 33 | 2.90 | | 0.92 | 0.0 | 12 | 10 | 4 | 16 | n. | San Lorenzo Merriman. |
| Rumford Falls | Oxford | 505 | 17 | 61.4 | − 2.2 | 86 | 21† | 35 | 5 | 36 | 2.97 | - 0.49 | 1.07 | 0.0 | 15 | 18 | 5 | 7 | nw. | Chas. A. Mixer. |
| Winslow | Kennebec | 90 | 15 | 61.1 | | 88 | 22 | 30 | 5 | 36 | 4.10 | | 1.20 | 0.0 | 12 | 11 | 11 | 8 | w. | Hollingsw'th & Whitney Co. |
| *New Hampshire.* | | | | | | | | | | | | | | | | | | | | |
| Alstead Center | Cheshire | 1,120 | 6 | 60.4 | | 84 | 21 | 33 | 5 | 30 | 2.80 | | 0.93 | 0.0 | 14 | 14 | 8 | 8 | nw. | Frank Dewing. |
| Benton | Grafton | | | 59.0 | | 81 | 22 | 32 | 4 | 29 | 4.45 | | 1.25 | 0.0 | 13 | 13 | 8 | 9 | nw. | P. C. Bartlett. |
| Bethlehem | do | 1,470 | 18 | 59.4 | − 4.1 | 84 | 22 | 28 | 4 | 36 | 4.70 | + 0.82 | 0.86 | 0.0 | 17 | 14 | 5 | 11 | w. | Benjamin Tucker. |
| Concord | Merrimack | 350 | 50 | 62.2 | − 2.2 | 89 | 21† | 33 | 5 | 34 | 3.47 | + 0.13 | 1.06 | 0.0 | 12 | 6 | 13 | 11 | nw. | U. S. Weather Bureau. |
| Durham | Stafford | 88 | 15 | 62.6 | − 1.7 | 91 | 21 | 39 | 5 | 36 | 3.27 | + 0.19 | 0.82 | 0.0 | 9 | 18 | 5 | 7 | nw. | Agricultural Exp. Station. |
| Franklin | Merrimack | 440 | 11 | 62.4 | | 90 | 21† | 32 | 5 | 39 | 2.80 | | 0.70 | 0.0 | 11 | 14 | 7 | 9 | nw. | Dr. C. P. Webster. |
| Grafton | Grafton | 863 | 24 | 59.4 | − 2.8 | 89 | 21† | 25 | 5 | 40 | 2.47 | − 0.73 | 0.71 | 0.0 | 12 | 9 | 11 | 10 | nw. | Perley R. Kimball. |
| Hanover | do | 603 | 76 | 61.7 | − 3.3 | 87 | 21† | 29 | 5 | 39 | 3.45 | + 0.05 | 1.10 | 0.0 | 16 | 4 | 14 | 12 | nw. | Dartmouth College. |
| Keene | Cheshire | 506 | 25 | 61.8 | − 3.1 | 90 | 22 | 29 | 5 | 40 | 2.16 | − 1.40 | 0.53 | 0.0 | 10 | 12 | 9 | 9 | nw. | Samuel Wadsworth. |
| Nashua | Hillsboro | 125 | 25 | | | | | | | | 3.48 | | 0.78 | 0.0 | 12 | 6 | 13 | 11 | ..... | Jackson Company. |
| Newton | Rockingham | | 22 | 61.0 | − 3.5 | 89 | 21 | 30 | 5 | 34 | 4.48 | + 1.50 | 1.24 | 0.0 | 9 | 6 | 20 | 4 | ne. | W. C. Gale. |
| Plymouth | Grafton | 500 | 22 | 61.0 | − 3.2 | 90 | 20 | 30 | 5 | 42 | 3.65 | + 0.22 | 0.95 | 0.0 | 10 | 15 | 1 | 14 | w. | Hattie G. Trow. |
| *Vermont.* | | | | | | | | | | | | | | | | | | | | |
| Bloomfield | Essex | | 3 | 59.6 | | 86 | 22 | 29 | 5 | 37 | 3.74 | | 1.15 | 0.0 | 16 | 14 | 8 | 8 | s. | P. S. Tirrill. |
| Cavendish | Windsor | 910 | 7 | 60.8 | | 88 | 21 | 28 | 5 | 40 | 3.60 | | 0.78 | 0.0 | 12 | 16b | 6b | 6b | w. | Miss M. A. Kingsbury. |
| Chelsea | Orange | 830 | 15 | 60.0 | − 1.3 | 87 | 26 | 27 | 5 | 44 | 2.76 | + 0.37 | 0.60 | 0.0 | 13 | 10 | 5 | 15 | w. | W. F. Dewey. |
| Jacksonville | Windham | 1,000 | 25 | 60.0 | − 2.3 | 86 | 15 | 30 | 5 | 37 | 0.66 | − 2.84 | 0.10 | 0.0 | 12 | 14 | 9 | 7 | nw. | Miss Martha French. |
| Manchester | Bennington | 980 | 11 | 59.2 | | 80 | 15† | 35 | 4† | 30 | 2.81 | | 0.55 | 0.0 | 9 | 13 | 11 | 6 | sw. | N. M. Canfield. |
| St. Johnsbury | Caledonia | 711 | 17 | 69.0 | + 5.0 | 87 | 22 | 30 | 5 | 38 | 2.90 | − 0.13 | 0.38 | 0.0 | 16 | 10 | 8 | 12 | nw. | Fairbanks Museum. |
| Woodstock | Windsor | 700 | 18 | 59.0 | − 6.0 | 90 | 22 | 30 | 5 | 45 | 2.71 | − 0.39 | 1.42 | 0.0 | 5 | 11 | 4 | 15 | ..... | John S. Eaton. |
| *Massachusetts.* | | | | | | | | | | | | | | | | | | | | |
| Amherst | Hampshire | 222 | 21 | 63.6 | − 2.6 | 88 | 21 | 35 | 5 | 32 | 2.65 | − 1.09 | 0.57 | 0.0 | 10 | 15 | 9 | 6 | nw. | Agricultural Exp. Station. |
| Blue Hill | Norfolk | 640 | 26 | 62.8 | − 1.5 | 89 | 21 | 42 | 4 | 26 | 3.97 | + 1.15 | 1.67 | 0.0 | 11 | 6 | 10 | 14 | w. | Blue Hill Observatory. |
| Boston | Suffolk | 124 | 40 | 65.2 | − 0.6 | 92 | 21 | 46 | 4 | 24 | 4.89 | + 1.86 | 1.26 | 0.0 | 12 | 7 | 11 | 12 | w. | U. S. Weather Bureau. |
| Chestnut Hill | do | 124 | 30 | 65.0 | − 1.9 | 92 | 21 | 37 | 5 | 33 | 5.36 | + 2.09 | 1.57 | 0.0 | 10 | 21 | 1 | 8 | ..... | Metropolitan Water Board. |
| Clinton | Worcester | 370 | 14 | 63.2 | | 85 | 21 | 37 | 4 | 29 | 4.68 | | 1.16 | 0.0 | 12 | 19 | 2 | 9 | ..... | Do. |
| Concord | Middlesex | 139 | 20 | 62.2 | − 3.2 | 89 | 21 | 32 | 5 | 36 | 3.35 | + 0.49 | 1.12 | 0.0 | 13 | 6 | 11 | 13 | e. | Fred. A. Tower. |
| Fall River | Bristol | 200 | 44 | 65.0 | − 0.8 | 85 | 22 | 44 | 5 | 22 | 4.01 | + 1.75 | 0.97 | 0.0 | 13 | 6 | 18 | 6 | sw. | C. V. S. Remington. |
| Fitchburg | Worcester | 550 | 27 | 63.7 | − 2.9 | 89 | 21 | 36 | 5 | 32 | 4.35 | + 1.52 | 1.18 | 0.0 | 12 | 16 | 4 | 10 | w. | Dr. A. P. Mason. |
| Framingham | Middlesex | 160 | 30 | 64.6 | − 2.5 | 90 | 21 | 35 | 5 | 32 | 4.81 | + 2.07 | 1.01 | 0.0 | 12 | | | | ..... | Metropolitan Water Board. |
| Hyannis | Barnstable | 31 | 19 | 63.0 | − 2.9 | 87 | 23 | 48 | 4† | 28 | 2.56 | − 0.25 | 0.83 | 0.0 | 10 | 14 | 11 | 5 | sw. | C. F. Sleeper. |
| Lawrence | Essex | 51 | 26 | 63.6 | 0.0 | 89 | 21† | 40 | 5 | 31 | 2.99 | − 0.21 | 0.94 | 0.0 | 8 | 5 | 20 | 5 | e. | Essex Company. |
| Lowell | Middlesex | 100 | 25 | 65.4 | − 1.4 | 89 | 22 | 38 | 5 | 32 | 4.37 | + 1.08 | | 0.0 | 9 | | | | ..... | Prop's Locks and Canals. |
| Middleboro | Plymouth | 53 | 24 | 62.7 | − 1.3 | 87 | 15† | 32 | 5 | 37 | 4.64 | + 2.00 | 1.67 | 0.0 | 11 | 4 | 11 | 15 | sw. | A. R. Gurney. |
| Monson | Hampden | 420 | 26 | 62.8 | − 3.0 | 87 | 21 | 33 | 5 | 30 | 3.15 | − 0.19 | 0.85 | 0.0 | 10 | 11 | 15 | 4 | nw. | Dr. G. E. Fuller. |
| Nantucket | Nantucket | 15 | 24 | 61.3 | 0.0 | 82 | 22 | 46 | 5 | 21 | 6.06 | + 3.65 | 2.20 | 0.0 | 13 | 8 | 13 | 9 | sw. | U. S. Weather Bureau. |
| New Bedford | Bristol | 88 | 98 | 65.1 | + 1.1 | 86 | 22† | 45 | 5 | 24 | 3.07 | − 0.03 | 0.67 | 0.0 | 11 | 16 | 3 | 11 | sw. | City Engineer. |
| Norfolk | Norfolk | 244 | 7 | 63.2 | | 89 | 14† | 27 | 5 | 46 | 4.06 | | 1.32 | 0.0 | 10 | 17 | 8 | 5 | w. | Miss Ruby H. Martyn. |
| Northampton | Hampshire | 205 | 2 | 64.7 | | 90 | 21 | 36 | 5 | 34 | 3.87 | | 1.16 | 0.0 | 9 | 13 | 9 | 8 | ne. | D. E. Hoxie. |
| Plymouth | Plymouth | | 25 | 61.7 | | 84 | 23 | 42 | 5 | 27 | 3.54 | | 1.12 | 0.0 | 12 | 17 | 4 | 9 | w. | Laura B. Knapp. |
| Provincetown | Barnstable | 40 | 23 | 62.3 | − 1.5 | 85 | 23 | 44 | 5 | 31 | 3.25 | + 0.59 | 1.78 | 0.0 | 7 | 21 | 0 | 9 | sw. | Gideon Bowley. |
| Rockport | Essex | 25 | 8 | 62 2 | | 95 | 22 | 45 | 5 | 27 | 3.60 | | 1.50 | 0.0 | 7 | 13 | 4 | 13 | nw. | C. F. B. Bearse. |
| Rutland | Worcester | 1,160 | 8 | 62.4 | | 86 | 21 | 38 | 3† | 34 | 4.99 | | 1.05 | 0.0 | 9 | 9 | 10 | 11 | w. | State Sanatorium. |
| South Egremont | Berkshire | 764 | 8 | 60.9 | | 84 | 21 | 34 | 5 | 32 | 3.21 | | 0.90 | 0.0 | 11 | | | | nw. | Roscoe C. Taft. |
| Turners Falls | Franklin | 200 | 19 | 65.8 | − 0.4 | 87 | 21 | 40 | 5 | 23 | 3.10 | − 0.21 | 1.15 | 0.0 | 6 | | | | | Turners Falls Co. |
| Westboro | Worcester | 298 | 36 | 64.8 | − 2.8 | 92 | 22 | 43 | 5 | 35 | 4.23 | + 1.34 | 1.15 | 0.0 | 10 | | | | | G. S. Newcomb. |
| Williamstown | Berkshire | 711 | 29 | 62.2 | − 3.4 | 85 | 21 | 37 | 5 | 28 | 3.03 | − 0.32 | 0.69 | 0.0 | 14 | 10 | 12 | 8 | w. | Williams College. |
| Worcester | Worcester | 518 | 18 | 64.0 | − 2.9 | 88 | 20 | 41 | 4† | 28 | 5.03 | + 2.07 | 1.04 | 0.0 | 10 | 9 | 12 | 9 | ne. | G. W. Swan. |
| *Rhode Island.* | | | | | | | | | | | | | | | | | | | | |
| Block Island | Newport | 26 | 30 | 62.0 | + 0.4 | 79 | 23 | 48 | 5 | 17 | 2.82 | − 0.05 | 1.01 | 0.0 | 11 | 9 | 12 | 9 | sw. | U. S. Weather Bureau. |
| Bristol | Bristol | 53 | 24 | 63.2 | − 1.6 | 82 | 23 | 46 | 4† | 21 | 4.80 | + 2.40 | 1.02 | 0.0 | 11 | 15 | 9 | 6 | sw. | N. G. Herreshoff. |
| Kingston | Washington | 250 | 21 | 63.6 | − 0.9 | 87 | 22† | 42 | 5 | 30 | 5.29 | + 2.66 | 1.76 | 0.0 | 9 | 13 | 12 | 5 | sw. | Nathaniel Helme. |
| Narragansett Pier | Newport | 22 | 28 | 61.5 | − 2.9 | 88 | 23 | 42 | 5 | 31 | 3.64 | + 1.33 | 1.07 | 0.0 | 10 | 19 | 6 | 5 | sw.. | U. S. Weather Bureau. |
| Providence | Providence | 182 | 6 | 65.2 | − 3.1 | 91 | 21 | 44 | 5 | 26 | 3.98 | + 0.95 | 1.07 | 0.0 | 13 | 6 | 16 | 8 | nw. | Do. |
| *Connecticut.* | | | | | | | | | | | | | | | | | | | | |
| Bridgeport | Fairfield | 20 | 17 | | | | | | | | | | | | | | | | | William Jennings. |
| Canton | Hartford | 900 | 49 | 62 8 | − 2.4 | 85 | 21 | 35 | 5 | 30 | 4.37 | + 0.32 | 1.40 | 0.0 | 8 | 10 | 7 | 13 | nw. | G. J. Case. |
| Colchester | New London | 370 | 24 | 63.9 | − 1.8 | 89 | 21 | 34 | 5 | 34 | 4.01 | + 1.43 | 1.30 | 0.0 | 10 | 12 | 7 | 11 | w. | S. P. Willard. |
| Cream Hill | Litchfield | 1,300 | 14 | 62.6 | − 1.2 | 88 | 23 | 37 | 4 | 31 | 3.89 | − 0.59 | 0.77 | 0.0 | 10 | 14 | 2 | 14 | w. | C. L. Gold. |
| Danielson | Windham | 300 | 8 | 63.8 | | 89 | 20 | 38 | 5 | 34 | 2.84 | | 0.90 | 0.0 | 10 | 10 | 15 | 5 | w. | F. E. Bitgood. |
| Hartford | Hartford | 159 | 6 | 65.9 | − 1.2 | 90 | 21 | 42 | 5 | 26 | 4.16 | + 1.08 | 0.96 | 0.0 | 15 | 4 | 11 | 15 | s. | U. S. Weather Bureau. |
| Hawleyville | Fairfield | 600 | 12 | 63.5 | − 2.7 | 88 | 23 | 35 | 5 | 30 | 3.33 | − 0.55 | 0.67 | 0.0 | 8 | 12 | 7 | 11 | w. | Edson N. Hawley. |
| New Haven | New Haven | 107 | 123 | 66.4 | − 0.5 | 90 | 21† | 43 | 5 | 26 | 4.03 | + 0.86 | 1.25 | 0.0 | 11 | 9 | 14 | 7 | s. | U. S. Weather Bureau. |
| New London | New London | 47 | 40 | 66.6 | + 1.1 | 92 | 23† | 42 | 5 | 32 | 3.83 | + 0.84 | 0.82 | 0.0 | 10 | 13 | 9 | 7 | sw. | Thos. C. Dillon. |
| North Grosvenordale | Windham | 400 | 20 | 63.4 | − 2.6 | 90 | 21 | 32 | 4 | 36 | 3.41 | + 0.48 | 1.17 | 0.0 | 10 | 9 | 13 | 8 | w. | Grosvenor Dale Co. |
| Norwalk | Fairfield | 116 | 20 | 66.0 | − 1.6 | 92 | 21 | 39 | 5 | 37 | 5.08 | + 2.86 | 1.57 | 0.0 | 11 | 12 | 14 | 4 | sw. | Geo. C. Comstock. |
| Southington | Hartford | 140 | 41 | 64.4 | − 2.8 | 88 | 21† | 37 | 5 | 32 | 3.45 | + 0.55 | 0.80 | 0.0 | 11 | 8 | 18 | 4 | s. | Luman Andrews. |
| Storrs | Tolland | 640 | 22 | 63.6 | − 1.3 | 86 | 21† | 41 | 4 | 26 | 4.88 | + 2.35 | 1.35 | 0.0 | 9 | 11 | 7 | 12 | w. | Agricultural Exp. Station. |
| Torrington | Litchfield | 625 | 9 | | | | | | | | | | | | | | | | | Edwin H. Forbes. Ph. D. |
| Voluntown | New London | 260 | 25 | 62.0 | − 3.9 | 91 | 21 | 29 | 5 | 38 | 3.94 | + 1.21 | 0.93 | 0.0 | 8 | 16 | 7 | 7 | sw. | Rev. E. Dewhurst. |
| Waterbury | New Haven | 400 | 35 | 65.8 | − 1.8 | 92 | 21 | 37 | 5 | 35 | 3.30 | + 0.45 | 0.74 | 0.0 | 10 | | | | ..... | N. J. Welton. |
| *New York.* | | | | | | | | | | | | | | | | | | | | |
| Addison | Steuben | 1,000 | 20 | 65.0 | − 1.0 | 93 | 15† | 34 | 4 | 40 | 2.45 | − 1.37 | 0.66 | 0.0 | 11 | 17 | 5 | 8 | w. | H. R. Ainsworth. |
| Albany | Albany | 97 | 89 | 66.0 | − 1.7 | 91 | 22 | 42 | 5 | 28 | 2.40 | − 1.36 | 0.73 | 0.0 | 13 | 13 | 10 | 7 | s. | U. S. Weather Bureau. |
| Alfred | Allegany | | 0 | 61.4 | | 88 | 22 | 32 | 4 | 38 | 1.43 | − 2.62 | 0.62 | 0.0 | 8 | | | | | Prof. O. S. Morgan. |
| Amsterdam | Montgomery | 277 | 6 | 62.1 | | 86 | 15 | 35 | 4 | 32 | 3.90 | | 1.48 | 0.0 | 10 | 19 | 2 | 9 | w. | Emery Elwood. |
| Athens | Greene | 90 | 8 | 64.6 | | 89 | 22 | 40 | 5 | 28 | 3.90 | | 0.76 | 0.0 | 13 | 11 | 11 | 8 | nw. | E. C. Brooks. |
| Ballston Lake | Saratoga | 400 | 6 | 62.6 | | 85 | 21 | 36 | 4† | 32 | 4.49 | | 1.01 | 0.0 | 13 | 13 | 10 | 7 | w. | Geo. R. Schauber. |

TABLE 1—*Climatological data for June, 1910. District No. 1*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *New York*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Bedford | Westchester | 450 | 19 | 67.6 | + 1.7 | 96 | 22 | 39 | 5 | 36 | 3.42 | − 0.13 | 0.96 | 0.0 | 13 | 18 | 6 | 6 | ..... | Dr. L. Rosenberg. |
| Binghamton | Broome | 875 | 19 | 63.1 | − 3.1 | 80 | 22 | 36 | 4 | 30 | 2.27 | − 1.32 | 0.64 | 0.0 | 12 | 10 | 9 | 11 | w. | U. S. Weather Bureau. |
| Bouckville | Madison | 1,350 | 13 | 61.2 | − 2.1 | 84 | 21† | 34 | 4 | 31 | 2.39 | − 1.67 | 0.63 | 0.0 | 13 | 9 | 9 | 12 | nw. | L. W. Griswold. |
| Boyds Corners | Putnam | 560 | 28 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.33 | + 0.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Thomas Manning. |
| Carmel | ...do | 500 | 18 | 65.0 | − 3.2 | 89 | 21† | 37 | 5 | 30 | 5.03 | + 1.12 | 1.56 | 0.0 | 9 | 18 | 4 | 8 | nw. | Do. |
| Chatham | Columbia | 470 | 9 | 63.9 | ..... | 89 | 21† | 37 | 5 | 30 | 3.17 | ..... | 0.68 | 0.0 | 15 | 17 | 5 | 8 | n. | Morton R. Tank. |
| Cooperstown | Otsego | 1,250 | 56 | 60.2 | − 3.8 | 84 | 22 | 35 | 3 | 29 | 4.24 | + 0.04 | 1.24 | 0.0 | 9 | 13 | 8 | 9 | w. | G. Pomeroy Keese. |
| Corinth | Saratoga | 542 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.72 | ..... | 1.80 | 0.0 | 7 | ..... | ..... | ..... | ..... | A. M. Hollister. |
| Cortland | Cortland | 1,129 | 48 | 64.8 | + 1.9 | 90 | 23 | 34 | 4 | 34 | 1.62 | − 2.70 | 0.72 | 0.0 | 10 | 21 | 1 | 8 | nw. | F. G. Baker. |
| Cutchogue | Suffolk | 32 | 33 | 64.9 | − 1.5 | 88 | 23 | 43 | 5 | 32 | 3.94 | + 0.80 | 1.04 | 0.0 | 12 | 8 | 18 | 4 | nw. | Wm. A. Fleet. |
| De Ruyter | Madison | 1,300 | 7 | 60.7 | ..... | 84 | 15† | 31 | 4 | 34 | 4.78 | ..... | 3.01 | 0.0 | 12 | 14 | 6 | 10 | nw. | B. D. Crandall. |
| Easton | Washington | ..... | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.12 | − 0.64 | 0.74 | 0.0 | 8 | ..... | ..... | ..... | ..... | H. Taber. |
| Elmira | Chemung | 863 | 31 | 65.8 | − 2.3 | 92 | 20† | 36 | 4 | 37 | 2.42 | − 1.57 | 1.10 | 0.0 | 8 | 12 | 13 | 5 | w. | Gerity Bros. |
| Fort Hunter | Montgomery | 280 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. E. Wing. |
| Fort Plain | ...do | 316 | 6 | 65.3 | ..... | 87 | 22 | 31 | 5 | 32 | 5.07 | ..... | 1.21 | 0.0 | 16 | 16 | 7 | 7 | w. | Abram Devendorf. |
| Glens Falls | Warren | 340 | 19 | 64.8 | − 1.8 | 91 | 21 | 37 | 4† | 34 | 2.46 | − 1.49 | 0.88 | 0.0 | 9 | 6 | 11 | 13 | sw. | Prof. C. L. Williams. |
| Gloversville | Fulton | 850 | 18 | 62.3 | − 2.3 | 85 | 30 | 32 | 4 | 34 | 5.00 | + 0.67 | 1.60 | 0.0 | 12 | 15 | 10 | 5 | w. | W. L. McLean. |
| Greenfield Center | Saratoga | 314 | 12 | 63.4 | − 2.6 | 88 | 21 | 36 | 4 | 32 | 4.13 | + 0.44 | 1.00 | 0.0 | 9 | 15 | 10 | 5 | nw. | S. E. Darrow. |
| Greenwich | Washington | 425 | 13 | 65.6 | + 0.5 | 91 | 21 | 36 | 4 | 34 | 2.51 | − 0.82 | 0.60 | 0.0 | 11 | 11 | 13 | 6 | s. | I. V. H. Gill. |
| Griffin Corners | Delaware | 2,260 | 10 | 59.9 | ..... | 84 | 15† | 30 | 4 | 36 | 3.58 | ..... | 0.69 | 0.0 | 12 | 12 | 8 | 10 | w. | Kelsey H. Kelly. |
| Haskinville | Steuben | ..... | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.60 | − 1.97 | 0.39 | 0.0 | 8 | ..... | ..... | ..... | ..... | W. G. Collins. |
| Homer | Cortland | 1,137 | 2 | 60.8 | ..... | 87 | 22 | 31 | 4 | 36 | 1.54 | ..... | 0.62 | 0.0 | 13 | 13 | 9 | 8 | nw. | Charles C. Mortimer. |
| Hoosick Falls | Rensselaer | 410 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.13 | ..... | 0.92 | 0.0 | 13 | 20 | 3 | 7 | w. | Sanford L. Cluett. |
| Indian Lake | Hamilton | 1,705 | 11 | 58.4 | − 2.1 | 87 | 22 | 26 | 5 | 42 | 3.30 | − 0.90 | 1.05 | 0.0 | 8 | 14 | 5 | 11 | n. | Lester Severie. |
| Jeffersonville | Sullivan | 1,240 | 7 | 62.2 | ..... | 89 | 20 | 32 | 4 | 39 | 3.52 | ..... | 1.30 | 0.0 | 9 | 17 | 6 | 7 | w. | Chas. Wilfert, jr. |
| Lake Pleasant | Hamilton | ..... | ..... | 53.8 | ..... | 74 | 16 | 30 | 4 | 23 | 2.50 | ..... | 0.70 | 0.0 | 6 | ..... | ..... | ..... | ..... | Willet Larence. |
| Liberty | Sullivan | 2,300 | 28 | 61.3 | − 1.6 | 83 | 20 | 31 | 5 | 38 | 3.36 | − 1.49 | 1.10 | 0.0 | 10 | 14 | 8 | 8 | w. | Dr. H. M. King. |
| Little Falls | Herkimer | 924 | 12 | 62.2 | − 1.7 | 85 | 15 | 35 | 4 | 28 | 3.96 | − 0.68 | 1.10 | 0.0 | 14 | 16 | 10 | 4 | w. | O. J. Dempster. |
| Mohonk Lake | Ulster | 1,245 | 14 | 63.2 | − 1.4 | 86 | 23 | 37 | 4 | 27 | 2.61 | − 1.45 | 0.69 | 0.0 | 8 | 18 | 4 | 8 | nw. | A. K. Smiley. |
| Morehouseville | Hamilton | 1,697 | 2 | 57.6 | ..... | 82 | 15 | 24 | 4 | 39 | 3.77 | ..... | 0.82 | 0.0 | 12 | 18 | 0 | 12 | w. | Theodore C. Remonda. |
| Mount Hope | Westchester | 200 | 13 | 64.9 | − 2.7 | 92 | 23 | 44 | 7 | 32 | 5.90 | + 1.97 | 1.40 | 0.0 | 9 | 5 | 16 | 9 | ..... | Wm. A. Cornelius. |
| Newark Valley | Tioga | 825 | 23 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.46 | − 1.40 | 0.67 | 0.0 | 9 | 19 | 3 | 8 | ..... | M. D. Clinton. |
| New Berlin | Chenango | ..... | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.50 | ..... | 1.30 | 0.0 | 12 | 19 | 1 | 10 | sw. | Roger Greene. |
| New Lisbon | Otsego | 1,234 | 20 | 59.1 | − 2.8 | 85 | 22 | 28 | 4 | 35 | 3.41 | − 0.44 | 0.57 | 0.0 | 11 | 10 | 9 | 11 | n. | G. A. Gates. |
| New York | New York | 314 | 85 | 68.0 | − 0.5 | 91 | 23 | 48 | 1 | 23 | 5.10 | + 1.84 | 1.74 | 0.0 | 13 | 8 | 9 | 13 | w. | U. S. Weather Bureau. |
| North Creek | Warren | 1,002 | 2 | 61.6 | ..... | 86 | 22 | 30 | 4 | 33 | 2.71 | ..... | 0.85 | 0.0 | 7 | 14 | 6 | 10 | w. | W. G. Kenwell. |
| Northville | Fulton | 742 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.54 | ..... | 2.00 | 0.0 | 8 | ..... | ..... | ..... | ..... | P. C. Pickard. |
| Norwich | Chenango | 1,015 | 4 | 63.3[d] | ..... | 89[d] | 22† | 35[d] | 4† | 37[d] | 2.78 | ..... | 1.05 | 0.0 | 5 | ..... | ..... | ..... | ..... | H. S. Hopkins. |
| Oneonta | Otsego | 1,112 | 16 | 61.8 | − 3.4 | 88 | 21† | 33 | 4 | 40 | 3.10 | − 0.96 | 0.57 | 0.0 | 9 | 18 | 3 | 9 | nw. | H. W. Lee. |
| Oxford | Chenango | 916 | 45 | 61.7 | − 2.5 | 84 | 22 | 34 | 4 | 30 | 4.44 | + 0.34 | 1.55 | 0.0 | 9 | 10 | 12 | 8 | w. | John P. Bavis. |
| Port Jervis | Orange | 470 | 26 | 65.4 | − 2.0 | 91 | 21 | 40 | 5† | 36 | 3.53 | − 0.50 | 0.72 | 0.0 | 11 | 15 | 8 | 7 | w. | Prof. John M. Dolph. |
| Salisbury | Herkimer | 1,526 | 13 | 60.5 | − 2.1 | 84 | 15 | 29 | 4 | 38 | 4.20 | − 1.13 | 1.10 | 0.0 | 11 | 14 | 11 | 5 | w. | Joseph Ryan. |
| Salisbury Mills | Orange | 314 | 11 | 64.8 | ..... | 90 | 21† | 42 | 5† | 35 | 4.42 | − 0.26 | 1.25 | 0.0 | 8 | 18 | 5 | 7 | w. | H. P. Ramsdell. |
| Scarsdale | Westchester | 200 | 6 | 65.9 | ..... | 91 | 23 | 38 | 4 | 29 | 6.03 | ..... | 1.46 | 0.0 | 12 | 14 | 8 | 8 | nw. | C. H. Wilmarth. |
| Setauket | Suffolk | 40 | 25 | 65.0 | − 1.5 | 87 | 23 | 43 | 5 | 25 | 3.51 | + 0.70 | 1.10 | 0.0 | 10 | 15 | 8 | 7 | w. | Selah B. Strong. |
| Sherburne | Chenango | ..... | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.28 | ..... | 0.85 | 0.0 | 5 | 15 | 4 | 11 | s. | E. B. Collins. |
| Southampton | Suffolk | 36 | 9 | 64.2 | ..... | 88 | 23 | 42 | 3 | 26 | 3.92 | ..... | 1.02 | 0.0 | 12 | 15 | 11 | 4 | sw. | W. L. Jagger. |
| Southeast Reservoir | Putnam | 310 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.54 | + 0.19 | ..... | 0.0 | ..... | ..... | ..... | ..... | ..... | Thomas Manning. |
| Spier Falls | Saratoga | 400 | 9 | 63.1 | ..... | 89 | 21† | 35 | 5 | 33 | 3.97 | ..... | 0.99 | 0.0 | 8 | 13 | 10 | 7 | sw. | W. F. Anderson. |
| Trenton Falls | Oneida | 751 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.57 | ..... | 1.30 | 0.0 | 9 | ..... | ..... | ..... | ..... | C. W. Young. |
| Tribeshill | Montgomery | 268 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.30 | ..... | 1.90 | 0.0 | 9 | ..... | ..... | ..... | ..... | R. S. Marshall. |
| Utica | Oneida | 537 | 44 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.80 | − 0.35 | 0.90 | 0.0 | 11 | ..... | ..... | ..... | ..... | W. E. Young. |
| Wading River | Suffolk | 112 | 4 | 64.5 | ..... | 89 | 21† | 42 | 3 | 34 | 5.78 | ..... | 1.83 | 0.0 | 12 | 16 | 5 | 9 | sw. | H. B. Fullerton. |
| Wappingers Falls | Dutchess | 110 | 20 | 65.6 | − 3.2 | 89 | 23 | 45 | 4† | 29 | 5.61 | + 1.16 | 1.12 | 0.0 | 9 | 15 | 11 | 4 | sw. | H. C. Townsend. |
| Warwick | Orange | 538 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.07 | − 0.61 | 0.51 | 0.0 | 9 | ..... | ..... | ..... | ..... | John W. Sly. |
| Waverly | Tioga | 824 | 28 | 63.9 | − 2.6 | 92 | 22 | 30 | 4 | 40 | 2.53 | − 1.03 | 0.73 | 0.0 | 11 | 9 | 12 | 9 | sw. | Hon. J. F. Shoemaker. |
| West Berne | Albany | 946 | 11 | 61.4 | − 3.4 | 87 | 15 | 32 | 4† | 38 | 4.38 | + 1.04 | 1.45 | 0.0 | 13 | 12 | 4 | 14 | w. | W. J. Haverly. |
| West Point | Orange | 167 | 61 | 66.6 | − 3.0 | 93 | 24 | 43 | 2 | 31 | 4.77 | + 1.26 | 1.20 | 0.0 | 9 | 21 | 0 | 9 | nw. | Maj. Chas. M. Gandy. |
| Windham | Greene | 1,320 | 10 | 60.4 | − 2.4 | 84 | 15 | 33 | 4† | 35 | 5.58 | + 1.36 | 1.55 | 0.0 | 12 | 11 | 17 | 2 | nw. | A. R. Mott. |
| *Pennsylvania.* | | | | | | | | | | | | | | | | | | | | |
| Altoona | Blair | 1,181 | 22 | 63.8[a] | − 2.4 | 91[a] | 23 | 36[a] | 4 | 33[a] | 3.56 | − 0.24 | 0.90 | 0.0 | 8 | ..... | ..... | ..... | ..... | C. W. Billin. |
| Bethlehem | Northampton | 260 | ..... | 67.3 | ..... | 91 | 23† | 44 | 5 | 27 | 3.37 | ..... | 0.75 | 0.0 | 11 | 8[a] | 11[a] | 10[a] | w. | Prof. E. C. Roest. |
| Clearfield | Clearfield | 1,107 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Raymond C. Ogden. |
| Emporium | Cameron | 1,050 | 23 | 64.7 | − 2.5 | 89 | 22† | 38 | 4 | 37 | 2.21 | − 2.36 | 0 48 | 0.0 | 14 | 14 | 8 | 8 | w. | T. B. Lloyd. |
| Ephrata | Lancaster | 384 | 10 | 65.7 | − 3.1 | 92 | 21 | 40 | 4† | 32 | 7.46 | + 3.45 | 2.74 | 0.0 | 11 | 13 | 3 | 14 | w. | W. L. Frantz. |
| Everett | Bedford | 1,080 | 12 | 64.7 | − 2.3 | 90 | 23 | 40 | 8 | 33 | 5.53 | + 0.64 | 0.91 | 0.0 | 11 | 4 | 19 | 7 | se. | B. L. Steckman. |
| George School | Bucks | ..... | 3 | 66.7[b] | ..... | 91[b] | 22† | 45[b] | 4† | 31[b] | 4.64 | ..... | 1.04[a] | 0.0 | 12[a] | 9[a] | 11[a] | 9[a] | sw. | Prof. A. C. Smedley. |
| Gettysburg | Adams | 600 | 36 | 67.8 | − 1.2 | 94 | 21 | 43 | 1 | 36 | 6.75 | + 3.07 | 1.20 | 0.0 | 13 | 11 | 8 | 11 | w. | Col. E. B. Cope. |
| Gordon | Schuylkill | 804 | 6 | 63.8 | ..... | 90 | 22 | 36 | 4 | 38 | 6.28 | ..... | 1.51 | 0.0 | 13 | 11 | 7 | 12 | w. | Capt. J. G. Johnson. |
| Hamburg | Berks | 380 | 14 | 68.4 | − 1.9 | 93 | 21 | 44 | 2† | 33 | 6.38 | + 2.65 | 1.62 | 0.0 | 9 | 17 | 1 | 12 | se. | W. J. Kalbach. |
| Harrisburg | Dauphin | 361 | 22 | 67.8 | − 2.3 | 93 | 23 | 45 | 1 | 26 | 4.91 | + 1.43 | 1.47 | 0.0 | 11 | 10 | 8 | 12 | w. | U. S. Weather Bureau. |
| Huntingdon | Huntingdon | 650 | 22 | 66.3 | − 2.1 | 92 | 23 | 40 | 4† | 38 | 5.46 | + 1.06 | 1.00 | 0.0 | 14 | 12 | 7 | 11 | w. | Prof. W. J. Swigart. |
| Hyndman | Bedford | 977 | 3 | 65.8 | ..... | 92 | 21 | 37 | 8 | 39 | 7.82 | ..... | 2.27 | 0.0 | 14 | 8 | 13 | 9 | sw. | H. C. Mauk. |
| Lawrenceville | Tioga | 1,006 | 12 | 64.6 | − 1.3 | 94 | 22 | 34 | 4 | 43 | 3.65 | − 0.66 | 0.60 | 0.0 | 11 | 14 | 7 | 9 | ..... | C. P. Darling. |
| Lebanon | Lebanon | 458 | 23 | 67.3 | − 2.1 | 94 | 23 | 42 | 26 | 39 | 5.77 | + 1.99 | 1.91 | 0.0 | 12 | 11 | 11 | 8 | se. | G. W. Hayes, C. E. |
| Lock Haven | Clinton | 560 | 22 | 67.1 | − 2.9 | 94 | 23† | 40 | 4† | 40 | 3.67 | − 0.58 | 1.23 | 0.0 | 13 | 7 | 12 | 11 | w. | Prof. J. A. Robb. |
| Marion | Franklin | 640 | 6 | 67.8 | ..... | 95 | 23† | 43 | 4† | 35 | 6.75 | ..... | 2.62 | 0.0 | 10 | 15 | 8 | 7 | ..... | Hon. C. B. Hege. |
| Mauch Chunk | Carbon | 634 | 21 | 65.2 | − 3.3 | 91 | 23† | 40 | 4† | 33 | 3.63 | − 0.51 | 0.56 | 0.0 | 12 | 18[a] | 3[a] | 8[a] | w. | F. C. Wintermute. |
| Mifflintown | Juniata | 445 | 6 | 66.4 | ..... | 91 | 23† | 41 | 4 | 37 | 7.18 | ..... | 1.82 | 0.0 | 11 | 9 | 7 | 14 | e. | Wellington Smith. |
| Milford | Pike | 455 | 7 | 63.6 | ..... | 91 | 23 | 35 | 4 | 35 | 3.69 | ..... | 0.74 | 0.0 | 11 | 9 | 15 | 6 | nw. | Mrs. Alla Doughty. |
| Montrose | Susquehanna | 1,658 | 6 | 61.0 | ..... | 87 | 20 | 34 | 4 | 38 | 2.29 | ..... | 0.66 | 0.0 | 12 | ..... | ..... | ..... | ..... | J. R. Beebe. |
| Muncy Valley | Sullivan | 519 | ..... | 64.4 | ..... | 90 | 22 | 37 | 3 | 34 | 5.85 | ..... | 1.64 | 0.0 | 7 | 21 | 0 | 9 | ..... | F. W. Buck. |
| New Germantown | Perry | 873 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.44 | ..... | 1.69 | 0.0 | 9 | ..... | ..... | ..... | ..... | Ed. C. Johnston. |
| Philadelphia (1) | Philadelphia | 117 | 39 | 69.6 | − 1.6 | 95 | 23 | 48 | 1 | 22 | 5.40 | + 2.10 | 2.21 | 0.0 | 14 | 6 | 10 | 14 | nw. | U. S. Weather Bureau. |
| Pocono Lake | Monroe | 1,662 | 5 | 60.8 | ..... | 86 | 23† | 34 | 5 | 34 | 3.73 | ..... | 0.86 | 0.0 | 9 | 16 | 5 | 9 | w. | Pocono Lake Ice Co. |
| Reading | Berks | 280 | 37 | 68.2 | − 2.5 | 92 | 23 | 44 | 4 | 26 | 4.26 | + 0.77 | 1.06 | 0.0 | 12 | ..... | ..... | ..... | ..... | Franklin Yeager. |
| Scranton | Lackawanna | 805 | 10 | 65.3 | − 2.0 | 90 | 22 | 40 | 4 | 29 | 3.03 | − 1.17 | 0.81 | 0.0 | 13 | 7 | 12 | 11 | ne. | U. S. Weather Bureau. |
| Selinsgrove | Snyder | 455 | 22 | 67.2 | − 2.4 | 91 | 23 | 40 | 4 | 30 | 8.21 | + 4.21 | 2.50 | 0.0 | 13 | 1 | 20 | 9 | se. | J. M. Boyer, C. E. |
| State College | Center | 1,191 | 22 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Prof. Wm. Frear. |
| Towanda | Bradford | 754 | 15 | 63.6 | − 2.6 | 87 | 23† | 37 | 4 | 30 | 4.24 | + 0.38 | 1.03 | 0.0 | 14 | 13 | 6 | 11 | e. | Hiram E. Bull, C. E. |
| Wellsboro | Tioga | 1,327 | 33 | 63.2 | − 1.4 | 91 | 32 | 32 | 4 | 38 | 1.95 | − 2.25 | 0.63 | 0.0 | 9 | 14 | 10 | 6 | w. | O. L. White. |
| West Chester | Chester | 455 | 56 | 67.6 | − 1.9 | 92 | 23 | 44 | 1 | 27 | 7.28 | + 3.12 | 1.18 | 0.0 | 17 | 12 | 7 | 11 | w. | J. C. Green, D. D. S. |
| Wilkes-Barre | Luzerne | 575 | 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.14 | − 0.89 | 0.50 | 0.0 | 13 | 12 | 5 | 13 | n. | A. W. Betterly |
| Williamsport | Lycoming | 530 | 20 | 66.4 | − 2.6 | 90 | 23† | 40 | 5 | 26 | 3.84 | + 0.12 | 0.98 | 0.0 | 12 | 15 | 4 | 11 | n. | Henry H. Guise. |
| *New Jersey.* | | | | | | | | | | | | | | | | | | | | |
| Asbury Park | Monmouth | 22 | 22 | 65.2 | − 3.0 | 92 | 23 | 46 | 1 | 24 | 5.64 | + 1.84 | 2.02 | 0.0 | 14 | 8 | 11 | 11 | w. | B. H. Obert. |
| Atlantic City | Atlantic | 16 | 37 | 66.0 | − 0.8 | 87 | 23 | 49 | 8 | 25 | 5.81 | + 2.78 | 1.70 | 0.0 | 15 | 7 | 11 | 12 | sw. | U. S. Weather Bureau. |

TABLE 1—*Climatological data for June, 1910. District No. 1*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *New Jersey*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Bayonne | Hudson | 50 | 20 | 67.8 | − 1.9 | 93 | 21 | 47 | 1† | 29 | 4.12 | + 0.48 | 0.99 | 0.0 | 13 | 10 | 9 | 11 | w. | J. H. Eadie. |
| Belvidere | Warren | 289 | 19 | 66.3 | − 2.7 | 93 | 23 | 43 | 5 | 31 | 3.16 | − 1.25 | 0.66 | 0.0 | 13 | 8 | 11 | 11 | ..... | S. J. Hixson. |
| Bergen Point | Hudson | 37 | 13 | 66.8[a] | − 2.0 | 91[a] | 23 | 43[a] | 1 | 23[a] | ..... | ..... | ..... | 0.0 | ..... | 8 | 9 | 13 | nw. | Dr. W. H. Mitchell. |
| Boonton | Morris | 413 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.02 | + 0.28 | 1.38 | 0.0 | 13 | ..... | ..... | ..... | ..... | F. G. McIntosh. |
| Bridgeton | Cumberland | 30 | 29 | 69.2 | − 4.2 | 95 | 21 | 45 | 1 | 34 | 8.01 | + 4.47 | 2.73 | 0.0 | 16 | 9 | 9 | 12 | sw. | H. A. Jorden. |
| Burlington | Burlington | 12 | 26 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.31 | + 1.39 | 1.60 | 0.0 | 15 | ..... | ..... | ..... | nw. | D. S. B. McCoy. |
| Canton | Salem | 24 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.35 | + 2.70 | 2.35 | 0.0 | 14 | 10 | 10 | 10 | ..... | J. H. Maskell. |
| Cape May | Cape May | 17 | 26 | 65.8 | − 1.9 | 86 | 29 | 50 | 4 | 20 | 5.03 | + 1.99 | 1.03 | 0.0 | 17 | 11 | 11 | 8 | s. | U. S. Weather Bureau. |
| Charlotteburg | Passaic | 719 | 18 | 63.6 | − 1.7 | 89 | 22† | 34 | 5 | 35 | 4.23 | − 0.03 | 1.20 | 0.0 | 11 | 10 | 10 | 10 | nw. | G. S. Briggs. |
| Chatham | Morris | 234 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.63 | ..... | 1.20 | 0.0 | 15 | ..... | ..... | ..... | ..... | M. A. Butler. |
| Clayton | Gloucester | 126 | 17 | 67.9 | − 3.5 | 93 | 22 | 45 | 4 | 30 | 6.19 | + 2.84 | 2.47 | 0.0 | 14 | 9 | 8 | 13 | sw. | W. T. Farley. |
| College Farm | Middlesex | 100 | 15 | 67.1 | − 1.5 | 92 | 21 | 42 | 5 | 29 | 4.94 | + 1.47 | 1.36 | 0.0 | 13 | 8 | 11 | 11 | nw. | G. B. Thrasher. |
| Culvers Lake | Sussex | 848 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.19 | ..... | 1.10 | 0.0 | 14 | 9 | 8 | 13 | nw. | B. E. Riker. |
| Dover | Morris | 575 | 26 | 64.2[a] | − 3.0 | 90 | 21† | 39[b] | 5 | 32[b] | 4.57 | + 0.45 | 1.28 | 0.0 | 13 | 8 | 11 | 11 | ..... | W. C. Harris. |
| Elizabeth | Union | 33 | 31 | 69.1 | − 2.1 | 93 | 23 | 48 | 1† | 28 | 4.03 | + 0.43 | 1.15 | 0.0 | 14 | 8 | 12 | 10 | w. | W. M. Oliver. |
| Flemington | Hunterdon | 187 | 22 | 67.2 | − 1.9 | 93 | 21† | 44 | 5 | 29 | 4.17 | − 0.20 | 0.96 | 0.0 | 13 | 8 | 10 | 12 | sw. | H. E. Deats. |
| Friesburg | Salem | 100 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | H. C. Perry. |
| Haddonfield | Camden | 75 | 16 | 68.0 | − 2.7 | 93 | 22 | 46 | 1† | 30 | 5.96 | + 2.35 | 1.89 | 0.0 | 16 | 9 | 8 | 13 | w. | C. F. Richardson. |
| Hammonton | Atlantic | 80 | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.38 | + 3.73 | 2.37 | 0.0 | 15 | ..... | ..... | ..... | ..... | Orville Bassett. |
| Hightstown | Mercer | 85 | 18 | 67.0 | − 2.4 | 93 | 22† | 43 | 5 | 35 | 5.34 | + 1.33 | 0.95 | 0.0 | 13 | 8 | 10 | 12 | sw. | Ernst Wenger. |
| Imlaystown | Monmouth | 106 | 24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Dr. F. C. Price. |
| Indian Mills | Burlington | 76 | 21 | 67.6 | − 3.4 | 94 | 22 | 44 | 1† | 35 | 7.43 | + 3.64 | 2.05 | 0.0 | 15 | 10 | 11 | 9 | nw. | James Armstrong. |
| Jersey City | Hudson | 15 | 12 | 69.0 | − 1.0 | 93 | 23† | 48 | 1† | 29 | 4.60 | + 1.30 | 1.11 | 0.0 | 13 | 10 | 10 | 10 | nw. | S. K. Pearson, jr. |
| Lakewood | Ocean | 54 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | H. R. Major. |
| Lambertville | Hunterdon | 95 | 24 | 67.3 | − 3.0 | 91 | 21 | 45 | 1† | 30 | 4.80 | + 0.52 | 1.36 | 0.0 | 11 | 9 | 11 | 10 | ..... | W. R. Bowne. |
| Layton | Sussex | 550 | 11 | 64.0 | − 2.3 | 89 | 21† | 36 | 5 | 36 | 2.66 | − 0.76 | 0.73 | 0.0 | 10 | 8 | 9 | 13 | s. | W. C. Hursh. |
| Little Falls | Passaic | 175 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.82 | ..... | 0.87 | 0.0 | 12 | ..... | ..... | ..... | ..... | A. Sweetman. |
| Long Branch | Monmouth | 30 | 3 | 66.6 | ..... | 90 | 23 | 44 | 5 | 27 | 5.73 | ..... | 1.87 | 0.0 | 13 | 8 | 12 | 10 | sw. | B. B. Bobbit. |
| Mahwah | Bergen | 312 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.30 | ..... | 1.75 | 0.0 | 11 | ..... | ..... | ..... | ..... | C. L. Barker. |
| Moorestown | Burlington | 71 | 48 | 67.9 | − 2.3 | 91 | 21† | 46 | 1 | 27 | 5.46 | + 1.66 | 1.81 | 0.0 | 17 | 10 | 9 | 11 | sw. | J. C. Beans. |
| Newark | Essex | 140 | 67 | 68.9 | − 0.8 | 92 | 21 | 47 | 1 | 28 | 4.82 | + 1.19 | 1.23 | 0.0 | 11 | 8 | 10 | 12 | sw. | Prof. Wm. Wiener. |
| New Brunswick | Middlesex | 61 | 57 | 67.2 | − 2.4 | 95 | 21† | 41 | 5† | 38 | 4.77 | + 1.00 | 1.40 | 0.0 | 13 | 9 | 11 | 10 | ..... | W. T. Woerner. |
| Newton | Sussex | 678 | 31 | 65.0 | − 2.7 | 92 | 21 | 39 | 4† | 33 | 3.60 | − 0.19 | 0.77 | 0.0 | 13 | 8 | 10 | 12 | nw | B. H. Kienbaum. |
| Northfield | Atlantic | ..... | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.93 | ..... | 2.65 | 0.0 | 15 | ..... | ..... | ..... | ..... | W. L. Flick. |
| Oceanic | Monmouth | 16 | 24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Prof. C. E. Dietz. |
| Paterson | Passaic | 110 | 39 | 66.9 | − 3.2 | 92 | 21† | 43 | 5 | 28 | 4.63 | + 0.31 | 1.07 | 0.0 | 12 | 8 | 9 | 13 | nw. | H. A. Probert. |
| Phillipsburg | Warren | 196 | 13 | 67.4 | − 2.3 | 93 | 21† | 45 | 1† | 30 | 4.09 | − 0.01 | 0.92 | 0.0 | 13 | 10 | 9 | 11 | w. | D. W. Smith |
| Plainfield | Union | 100 | 24 | 67.5 | − 1.8 | 94 | 21 | 43 | 5 | 32 | 5.24 | + 1.11 | 1.47 | 0.0 | 12 | 8 | 13 | 9 | sw. | John Neagle. |
| Pleasantville | Atlantic | 26 | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.90 | + 4.13 | 2.42 | 0.0 | 15 | 7 | 10 | 13 | ..... | L. Van Gilder. |
| Pompton Plains | Morris | 195 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.96 | ..... | 1.40 | 0.0 | 12 | ..... | ..... | ..... | ..... | M. S. Taylor. |
| Rancocas | Burlington | 68 | 47 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Spencer Haines. |
| Rivervale | Bergen | 70 | 19 | 64.4[c] | − 3.1 | 90[c] | 21† | ..... | ..... | 36[c] | 4.30‡ | − 0.03 | ..... | 0.0 | 9 | 9 | 11 | 10 | nw. | G. S. M. Holdrum. |
| Runyon | Middlesex | 18 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. H. Cottrell |
| Somerville | Somerset | 76 | 27 | 67.8 | − 1.4 | 94 | 23 | 44 | 4† | 30 | 4.58 | + 0.43 | 1.22 | 0.0 | 13 | 10 | 8 | 12 | sw. | P. Hardcastle. |
| South Orange | Essex | 200 | 40 | 66.4 | − 2.4 | 90 | 21† | 42 | 5 | 26 | 4.80 | + 1.24 | 1.12 | 0.0 | 9 | 10 | 8 | 12 | w. | Dr. W. J. Chandler. |
| Sussex | Sussex | 442 | 20 | 64.9[b] | − 2.7 | 89[b] | 21† | 41[b] | 4† | 31[b] | 3.69 | − 0.04 | 1.07 | 0.0 | 12 | 8 | 11 | 11 | w. | Prof. W. H. Seeley. |
| Trenton | Mercer | 60 | 38 | 69.0 | − 2.3 | 95 | 21† | 47 | 1 | 32 | 5.64 | + 1.76 | 1.70 | 0.0 | 14 | 7 | 9 | 14 | nw. | E. R. Cook. |
| Tuckerton | Ocean | 23 | 17 | 67.2 | − 1.8 | 93 | 23 | 43 | 8 | 35 | 6.65 | + 2.88 | 2.80 | 0.0 | 17 | 7 | 10 | 13 | w. | F. R. Austin |
| Vineland | Cumberland | 118 | 41 | 68.0 | − 3.6 | 94 | 21 | 46 | 1 | 30 | 7.48 | + 3.90 | 2.76 | 0.0 | 14 | 10 | 10 | 10 | sw. | Alfred Chalmers. |
| Woodbine | Cape May | 43 | 19 | 67.3 | − 1.7 | 92[a] | 21 | 46 | 8 | 32[a] | 5.83 | + 2.33 | 2.03 | 0.0 | 14 | 8 | 10 | 12 | ..... | Prof. R. D. Maltby. |
| *West Virginia.* | | | | | | | | | | | | | | | | | | | | |
| Bayard | Grant | 2,500 | 8 | 61.8 | ..... | 88 | 30 | 33 | 8 | 40 | 7.11 | ..... | 1.44 | T. | 18 | 7 | 10 | 12 | w. | Solomon Clark. |
| Burlington | Mineral | 875 | 15 | 67.8[a] | − 0.7 | 92[a] | 30 | 39[a] | 8 | 37[a] | 7.50 | + 3.63 | 2.40 | 0.0 | 8 | 8 | 14 | 8 | w. | J. W. Vandiver. |
| Franklin | Pendleton | ..... | 3 | 65.8[c] | ..... | 94 | 30 | ..... | ..... | 39[c] | 8.76 | ..... | 3.00 | 0.0 | ..... | 16[c] | 3[c] | 8[c] | ..... | A. A. Martin. |
| Lost City | Hardy | ..... | 4 | 64.6 | ..... | 87 | 21 | 42 | 1 | 31 | 8.33 | ..... | 3.75 | 0.0 | 11 | 9 | 13 | 8 | w. | B. D. Hinegardner. |
| Martinsburg | Berkeley | 435 | 19 | 68.8 | − 1.7 | 95 | 23† | 45 | 1 | 35 | 5.66 | + 1.52 | 1.47 | 0.0 | 9 | 11 | 7 | 11 | n. | G. W. Van Metre, C. E. |
| Moorefield | Hardy | 900 | 14 | 65.7 | − 3.3 | 93 | 22† | 36 | 8 | 50 | 9.86 | + 5.90 | 3.87 | 0.0 | 11 | 6 | 18 | 6 | s. | John C. Fisher. |
| Romney | Hampshire | 824 | 14 | 67.2 | − 2.8 | 93 | 22 | 41 | 8 | 37 | 8.14 | + 4.59 | 1.95 | 0.0 | 15 | 8 | 8 | 14 | w. | John C. Linthicum. |
| Upper Tract | Pendleton | 1 230 | 12 | 65.8 | − 2.2 | 90 | 22† | 38 | 4 | 39 | 8.36 | + 3.94 | 3.40 | 0.0 | 10 | 2 | 17 | 10 | w. | J. M. Mallow. |
| *Maryland.* | | | | | | | | | | | | | | | | | | | | |
| Annapolis | Anne Arundel | 45 | 32 | 68.8 | − 5.1 | 91 | 20† | 46 | 1 | 23 | 8.05 | + 3.53 | 1.60 | 0.0 | 13 | 11 | 7 | 12 | se. | W. M. Abbott. |
| Bachmans Valley | Carroll | 860 | 17 | 67.2 | − 1.9 | 94 | 23 | 41 | 1 | 35 | 4.42 | − 0.74 | 1.30 | 0.0 | 13 | 20 | 7 | 3 | w. | |
| Baltimore | Baltimore | 115 | 40 | 70.4 | − 2.6 | 95 | 23 | 48 | 1 | 24 | 5.30 | + 1.46 | 1.93 | 0.0 | 14 | 11 | 9 | 10 | sw. | U. S. Weather Bureau. |
| Cambridge | Dorchester | 25 | 12 | 70.8 | − 2.6 | 96 | 21 | 49 | 1 | 30 | 6.23 | + 1.65 | 1.37 | 0.0 | 14 | 15 | 5 | 10 | nw. | T. E. Keenan. |
| Cheltenham | Prince George | 230 | 10 | 69.1 | ..... | 91 | 21 | 45 | 1 | 27 | 6.39 | ..... | 1.36 | 0.0 | 14 | 14 | 8 | 8 | nw. | J. E. Burbank. |
| Chester | Queen Anne | 15 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| Chestertown | Kent | 80 | 25 | 69.4 | − 1.6 | 91 | 23 | 46 | 1 | 26 | 7.89 | + 3.99 | 1.63 | 0.0 | 16 | 13 | 13 | 4 | s. | Hon. M. de K. Smith. |
| Chewsville | Washington | 530 | 13 | 66.8 | − 2.5 | 91 | 23 | 41 | 8 | 33 | 5.44 | + 0.70 | 1.18 | 0.0 | 12 | 10 | 14 | 6 | e. | D. Paul Oswald. |
| Clear Spring | do | 650 | 13 | 65.8 | − 2.4 | 89 | 23 | 42 | 1 | 32 | 5.76 | + 1.36 | 1.15 | 0.0 | 14 | 9 | 14 | 7 | w. | W. W. Frantz. |
| Coleman | Kent | 80 | 12 | 69.0 | ..... | 92 | 30 | 45 | 1 | 27 | 6.52 | + 3.13 | 1.96 | 0.0 | 12 | 13 | 11 | 6 | sw. | James S. Harris. |
| College Park | Prince George | 170 | 20 | 69.1[b] | − 1.7 | 92[b] | 22† | 40[b] | 4 | 33[b] | 4.42 | − 0.05 | 1.02 | 0.0 | 11 | ..... | ..... | ..... | n. | Prof. H. J. Patterson. |
| Cumberland | Allegany | 700 | 36 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.21 | + 2.56 | 1.45 | 0.0 | 16 | ..... | ..... | ..... | ..... | J. W. Frantz. |
| Darlington | Harford | 300 | 18 | 67.0 | − 3.3 | 93 | 23 | 43 | 1 | 29 | 6.45 | + 2.81 | 1.54 | 0.0 | 14 | 7 | 14 | 9 | sw. | Prof. A. F. Galbreath. |
| Denton | Caroline | 42 | 15 | 68.4 | − 3.0 | 92 | 21† | 44 | 4 | 31 | 6.57 | + 2.34 | 1.80 | 0.0 | 16 | 15 | 4 | 11 | s. | H. B. Mason. |
| Easton | Talbot | 35 | 19 | 68.0 | − 3.2 | 89 | 21 | 47 | 4 | 24 | 5.39 | + 1.35 | 1.21 | 0.0 | 12 | 13 | 5 | 12 | sw. | Henry Shreve. |
| Emmitsburg | Frederick | 720 | 37 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Jno. H. Eckenrode. |
| Fallston | Harford | 450 | 40 | 66.8 | − 2.9 | 91 | 23 | 42 | 1 | 27 | 5.15 | + 1.08 | 1.06 | 0.0 | 14 | 2 | 21 | 7 | sw. | J. H. Curtiss. |
| Frederick | Frederick | 275 | 33 | 69.0 | − 2.7 | 92 | 23 | 45 | 1 | 30 | 4.89 | + 0.51 | ..... | 0.0 | 16 | 16 | 4 | 10 | se. | Henry Trail. |
| Frostburg | Allegany | 1,929 | 9 | 65.5 | ..... | 92 | 22 | 38 | 1 | 30 | 8.08 | ..... | 2.98 | T. | 19 | 7 | 15 | 8 | ..... | L. B. Abbott. |
| Great Falls | Montgomery | 230 | 19 | 68.2 | − 3.9 | 96 | 21 | 44 | 8 | 31 | 4.35 | + 0.98 | 0.90 | 0.0 | 16 | 10 | 19 | 1 | sw. | J. W. Bissett. |
| Green Spring Furnace | Washington | 450 | 18 | 68.6 | − 2.5 | 93 | 23 | 44 | 1† | 34 | 5.49 | + 1.48 | 1.51 | 0.0 | 10 | 17 | 4 | 9 | w. | E. G. Kinsell. |
| Keedysville | do | 400 | 6 | 68.4 | ..... | 93 | 22† | 43 | 8 | 36 | 4.67 | ..... | 1.34 | 0.0 | 13 | 12 | 8 | 10 | nw. | J. A. Miller. |
| Lake Montebello | Baltimore | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.18 | ..... | 1.47 | 0.0 | 14 | 15 | 5 | 10 | se. | Martin L. Dobler. |
| La Plata | Charles | 190 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Prof. R. H. Lee Reich. |
| Laurel | Prince George | 150 | 16 | 68.4 | − 2.6 | 94 | 23 | 40 | 4 | 33 | 6.13 | + 1.82 | 1.78 | 0.0 | 13 | 8 | 13 | 9 | ..... | Dr. T. M. Baldwin. |
| Monrovia | Frederick | 630 | 23 | 68.2 | − 3.5 | 93 | 22 | 43 | 1† | 35 | 5.31 | + 0.95 | 1.07 | 0.0 | 13 | 14 | 4 | 12 | w. | J. H. Lawson. |
| Pocomoke City | Worcester | 37 | 17 | 70.3 | − 2.4 | 91 | 21† | 49 | 1 | 25 | 3.85 | + 0.42 | 0.67 | 0.0 | 12 | 14 | 8 | 8 | sw. | R. M. Stevenson. |
| Porto Bello | St. Mary | 38 | 5 | 68.5[a] | ..... | 93[a] | 23 | 46[a] | 3 | 22[a] | 4.60 | ..... | 1.50 | 0.0 | 4 | 18 | 3 | 9 | se. | Alpheus Hyatt. |
| Princess Anne | Somerset | 17 | 17 | 67.8 | − 2.5 | 90 | 30 | 45 | 8 | 26 | 6.17 | + 2.78 | 1.15 | 0.0 | 12 | 5 | 16 | 9 | nw. | Jas. R. Stewart. |
| Rockville | Montgomery | 421 | 3 | 67.2 | ..... | 89 | 21† | 45 | 1 | 23 | 5.87 | ..... | 1.54 | 0.0 | 16 | 15 | 7 | 8 | ..... | Dr. Geo. E. Lewis. |
| Salisbury | Wicomico | 23 | 5 | 69.9 | ..... | 94 | 21† | 46 | 8 | 37 | 5.43 | ..... | 1.10 | 0.0 | 13 | 7 | 16 | 7 | sw. | W. E. Downing. |
| Sanatorium | Frederick | ..... | 2 | 65.8 | ..... | 88 | 23 | 37 | 5 | 27 | 7.03 | ..... | 1.63 | 0.0 | 13 | 11 | 6 | 13 | sw. | Dr. W. M. Garrison |
| Solomons | Calvert | 20 | 19 | 69.9 | − 3.3 | 94 | 23 | 49 | 1 | 23 | 4.86 | + 1.37 | 1.37 | 0.0 | 13 | 1 | 7 | 22 | s. | Dr. W. H. Marsh. |
| Sudlersville | Queen Anne | 65 | 11 | 69.2 | − 1.7 | 94 | 30 | 44 | 4 | 31 | 6.53 | + 2.53 | 1.59 | 0.0 | 16 | 13 | 7 | 10 | w. | Jas. E. Higman. |
| Takoma Park | Montgomery | 320 | 12 | 66.4 | − 3.7 | 88 | 21† | 44 | 1† | 29 | 5.32 | + 0.27 | 0.95 | 0.0 | 14 | 8 | 11 | 11 | ..... | L. M. Moores. |
| Taneytown | Carroll | 450 | 11 | 67.7 | − 2.7 | 93 | 23 | 42 | 4 | 33 | 5.05 | + 2.46 | 1.33 | 0.0 | 11 | 23 | 2 | 5 | se. | R. A. Nusbaum. |
| Towson | Baltimore | 465 | 3 | 68.8 | ..... | 94 | 23 | 44 | 1 | 35 | 5.62 | ..... | 1.16 | 0.0 | 13 | 17 | 4 | 9 | se. | C. W. E. Treadwell. |

TABLE 1—*Climatological data for June, 1910. District No. 1*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | |
| *Maryland*—Cont'd. | | | | | | | | | | | | | | | | | | | |
| Van Bibber | Harford | 100 | 13 | 68.4[b] | − 1.6 | 93[a] | 23 | 44[b] | 8 | 31[b] | 6.60 | + 2.66 | 2.01 | 0.0 | 15 | 13 | 8 | 9 | ..... | J. Benj. Ford. |
| Westernport | Allegany | 1,000 | 16 | 66.1 | − 3.0 | 93 | 20 | 40 | 8 | 37 | 5.08 | + 1.16 | 1.49 | 0.0 | 15 | ..... | ..... | ..... | ..... | Prof. O. H. Bruce. |
| Woodstock | Baltimore | 392 | 36 | 69.0[a] | − 1.9 | 93[a] | 23 | 47[a] | 1 | 30[a] | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Rev. A. J. Donlon, S. J. |
| *Delaware.* | | | | | | | | | | | | | | | | | | | |
| Delaware City | Newcastle | ..... | 8 | 68.6 | ..... | 90 | 23 | 46 | 1 | 27 | 5.51 | ..... | 1.43 | 0.0 | 12 | 19 | 4 | 7 | sw. | H. Morton Price. |
| Dover | Kent | ..... | 22 | 69.6 | − 3.0 | 95 | 21† | 45 | 4 | 37 | 7.04 | + 3.68 | 2.71 | 0.0 | 13 | 11 | 9 | 10 | w. | Thos. F. Dunn. |
| Milford | ....do | ..... | 26 | 70.1 | − 2.1 | 94 | 21 | 47 | 4 | 27 | 6.53 | + 2.87 | 1.19 | 0.0 | 16 | 12 | 9 | 9 | sw. | C. J. Holzmueller. |
| Millsboro | Sussex | ..... | 18 | 69.0 | − 2.0 | 95 | 21 | 46 | 8 | 37 | 6.38 | + 2.74 | 1.90 | 0.0 | 15 | 14 | 4 | 12 | sw. | Rev. L. W. Wells. |
| Seaford | ....do | ..... | 17 | 68.8 | − 2.2 | 90 | 22 | 47 | 4 | 26 | 6.36 | + 2.44 | 1.11 | 0.0 | 15 | 14 | 6 | 10 | sw. | E. B. Brown. |
| *District of Columbia.* | | | | | | | | | | | | | | | | | | | |
| Washington | District of Columbia | 112 | 40 | 69.7 | − 3.0 | 94 | 21 | 45 | 3 | 26 | 4.77 | + 0.59 | 0.98 | 0.0 | 16 | 14 | 6 | 10 | s. | U. S. Weather Bureau. |
| *Virginia.* | | | | | | | | | | | | | | | | | | | |
| Culpeper | Culpeper | 450 | 2 | 69.1 | ..... | 94 | 23 | 44 | 3 | 29 | 8.25 | ..... | 1.31 | 0.0 | 11 | 8 | 15 | 7 | se. | Col. H. C. Burrows. |
| Dale Enterprise | Rockingham | 1,350 | 31 | 68.1 | ..... | 92 | 19† | 37 | 8 | 38 | 11.11 | + 5.60 | 4.60 | 0.0 | 15 | 6 | 15 | 9 | sw. | Rev. L. J. Heatwole. |
| Doswell | Hanover | 134 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Rich., Fdksbg. & Pot. R. R. |
| Eastville | Northampton | 15 | .... | 70.6 | ..... | 90 | 23 | 50 | 8 | 27 | 5.73 | ..... | 2.52 | 0.0 | 15 | 13 | 7 | 10 | sw. | Thos. B. Robertson. |
| Fredericksburg | Spottsylvania | 100 | 21 | 69.5 | − 3.0 | 93 | 23 | 45 | 3 | 29 | 5.43 | + 0.73 | 1.80 | 0.0 | 13 | 7 | 13 | 10 | se. | S. G. Howison. |
| Lincoln | Loudoun | 500 | 9 | 68.2 | ..... | 102 | 22 | 42 | 1† | 46 | 5.33 | ..... | 0.88 | 0.0 | 10 | 10 | 7 | 13 | nw. | Dr. Geo. Roberts. |
| Mount Weather | ....do | 1,726 | 6 | 64.0 | − 3.6 | 86 | 23 | 40 | 1 | 22 | 5.90 | + 1.10 | 1.12 | T. | 16 | 12 | 5 | 13 | nw. | U. S. Weather Bureau. |
| Nokesville (near) | Fauquier | 350 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Andrew Low. |
| Quantico | Prince William | 16 | 13 | 70.3 | − 1.2 | 92 | 22† | 46 | 2† | 36 | 6.52 | ..... | 1.43 | 0.0 | 9 | ..... | ..... | ..... | nw. | Rich., Fdksbg. & Pot. R. R |
| Shenandoah | Page | 937 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Norfolk & Western Ry. |
| Staunton | Augusta | 1 380 | 18 | 66.4 | − 4.1 | 92 | 30 | 43 | 4 | 34 | 7.66 | + 3.11 | 1.96 | 0.0 | 15 | 3 | 17 | 10 | w. | Ernest Nothnagel. |
| Stephens City | Frederick | 710 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | B. T. Argenbright. |
| Warsaw | Richmond | 160 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. H. Constable. |
| Woodstock | Shenandoah | 927 | 14 | 67.6 | − 2.6 | 92 | 20† | 41 | 1 | 34 | 7.22 | + 2.57 | 2.65 | 0.0 | 15 | 9 | 10 | 11 | w. | Miss A. G. Miley. |

[a], [b], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Estimated by observer.
‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1910. District No. 1, North Atlantic States.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Maine.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bar Harbor | Coast | | | | | | 1.40 | .10 | T. | T. | .25 | .10 | .55 | T. | | .15 | T. | 1.40 | T. | | | .15 | | | .05 | | | T. | T. | T. | | | 4.15 |
| Cornish | Saco | T. | | .09 | | | .67 | .02 | T. | T. | .27 | .62 | 15 | | | | T. | 1.09 | .18 | | | | | .10 | .03 | | | .17 | | | | | 3.39 |
| Danforth | Penobscot | .30 | | .25 | | | T. | | .20 | .05 | .15 | T. | .30 | .30 | | | | .60 | .75 | | | .25 | | | | | | .30 | .12 | | | | 3.57 |
| Debsconeag | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eastport | Coast | | | .20 | | | .18 | .15 | .21 | .23 | .05 | .02 | .29 | | | | | .48 | .05 | | | .07 | | .30 | .02 | | .04 | .13 | .30 | T | | | 2.72 |
| Fairfield | Kennebec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Farmington | do | .05 | .10 | | | | .55 | .31 | .02 | .06 | .08 | .18 | .30 | | | T. | | .60 | .77 | | | .01 | | | .05 | .01 | | .06 | | | | | 3.15 |
| Gardiner | do | T. | | .02 | | | .51 | .06 | .10 | T. | .14 | .16 | .20 | .07 | | | | .66 | .08 | .05 | | | | .06 | .06 | | | .03 | .06 | | | | 2.26 |
| Greenville | do | .01 | .14 | | | | .55 | .17 | .09 | .08 | .14 | .21 | .40 | .03 | | | | .58 | .19 | | | 2.30 | .08 | | T. | T. | T. | .28 | .06 | | | | 5.31 |
| Houlton | St. John | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lewiston | Androscoggin | | | .02 | | | .77 | .13 | .01 | T. | .16 | .29 | .11 | | | | | .74 | .08 | | | .07 | | .05 | .15 | .03 | | T. | .01 | | | | 2.62 |
| Madison | Kennebec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Millinocket | Penobscot | .71 | .10 | | | | .28 | .24 | .35 | | .18 | .10 | .05 | .72 | .06 | | | .04 | .60 | | | | .62 | .02 | | | | .12 | .18 | | | | 4.37 |
| North Bridgeton | Saco | .06 | | | | | .70 | .10 | .02 | T. | .12 | .50 | .15 | | | | | 1.01 | .29 | | | | .24 | | | .01 | | T. | .08 | | | | 3.28 |
| Orono | Penobscot | .14 | | T. | | | .23 | .04 | .27 | T. | .10 | .01 | .05 | .34 | | | | .43 | .35 | | | .30 | | T. | | | | .34 | .10 | | | | 2.70 |
| Oquossoc | Androscoggin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Patten | Penobscot | | | .50 | | | .38 | .21 | | .20 | .37 | .05 | .32 | .17 | T. | | | .75 | .05 | | | | .51 | | .05 | | | .18 | .54 | | | | 4.28 |
| Portland | Coast | .02 | | .13 | | | .83 | .04 | | .03 | .31 | .47 | .29 | | | | .13 | .54 | .03 | | | | | .07 | .03 | | | .30 | .04 | | | | 3.26 |
| Presque Isle | St. John | .31 | .30 | | | | .07 | .28 | | | .14 | | .25 | .19 | .18 | | | .40 | .52 | | | | | .05 | | | | | .21 | | | | 2.90 |
| Rumford Falls | Androscoggin | .11 | .05 | .03 | T. | .08 | .49 | .11 | T. | | .13 | .31 | .29 | | | | T. | 1.07 | .09 | | | | .09 | .05 | .01 | .06 | | T. | | | | | 2.97 |
| The Forks | Kennebec | | | | | | .60 | | .30 | | | | .75 | .15 | | | | * | .60 | .25 | | .30 | .10 | | | | .20 | .15 | | | | | 3.40 |
| Winslow | do | | | .01 | | | | .52 | .49 | .25 | .06 | .33 | | | .02 | | | * | * | 1.02 | | 1.20 | | | .20 | | | | | | | | 4.10 |
| *New Hampshire.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alstead Center | Connecticut | .03 | .02 | | | T. | .93 | .13 | T. | T. | .13 | .49 | .21 | T. | | | .06 | .46 | .02 | | | | | | .05 | .13 | | .02 | .12 | | | | 2.80 |
| Benton | do | .37 | | | | | 1.25 | .43 | .20 | .04 | .06 | .37 | .15 | | | | | .38 | .22 | | | | .31 | | .05 | | | .62 | | | | | 4.45 |
| Bethlehem | do | .57 | .14 | .04 | .01 | | .13 | .51 | .40 | | | .16 | .17 | .01 | | | .47 | .21 | .86 | .02 | | | | .59 | T. | | | .03 | .38 | | | | 4.70 |
| Brookline | Merrimac | | | | | | 1.26 | | | | .77 | .75 | .28 | | | | .38 | .28 | | | | | | | .18 | | | .05 | | | | | 3.95 |
| Concord | do | .01 | | | | .03 | .69 | .01 | T. | T. | .25 | .57 | .11 | | | | .43 | .15 | 1.06 | | | | | | .10 | T. | | T. | .06 | | | | 3.47 |
| Durham | do | | | | | | .82 | .24 | | | .26 | .55 | .40 | | | | | .67 | .15 | | | | | | .07 | | | .11 | | | | | 3.27 |
| Franklin | do | | T. | | | | .70 | .05 | | T. | .13 | .61 | .14 | .01 | | .27 | T. | .42 | .42 | | | | | | | .02 | | | .03 | | | | 2.80 |
| Grafton | do | .07 | T. | | | | .71 | .13 | .02 | | .07 | .60 | .22 | .01 | | .08 | T. | .50 | .01 | | | | | | T. | | | T. | .05 | | | | 2.47 |
| Hanover | Connecticut | .14 | | | | .12 | .38 | .45 | .03 | | .03 | .53 | .19 | .02 | | | .07 | .14 | .21 | .01 | | | | | .03 | | | .65 | .45 | | | | 3.45 |
| Keene | do | .02 | | | | .03 | .44 | .13 | | | .22 | .53 | .10 | | | T. | .46 | .13 | T. | | | | | | T. | | | T. | .10 | | | | 2.16 |
| Nashua | Merrimac | T. | | | | .02 | .76 | .07 | | .02 | .68 | .51 | .50 | | | | .46 | .29 | .08 | | | | | | .07 | | | T. | .02 | | | | 3.48 |
| Newton | do | .08 | | | | | .99 | .20 | | | .74 | .55 | .46 | | | | T. | 1.24 | T. | | | | | | .17 | | | T. | .05 | | | | 4.48 |
| Plymouth | do | .08 | | | | T. | .68 | .18 | T. | T. | .03 | .45 | .29 | | | T. | | .48 | .18 | | | | | .33 | | | | T. | .95 | | | | 3.65 |
| *Vermont.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bloomfield | Connecticut | 1.15 | .09 | .03 | | | .30 | .30 | .25 | .03 | | .10 | .11 | .03 | | | | .18 | | .08 | | .02 | | .54 | | | | .26 | .27 | | | | 3.74 |
| Cavendish | do | .26 | | | | .24 | .78 | .46 | | | .09 | .69 | .25 | | | .01 | .10 | T. | .37 | | | | | | T. | | | .28 | .07 | | | | 3.60 |
| Chelsea | do | .05 | .31 | | | .05 | .60 | .50 | .08 | .05 | T. | .45 | .15 | | | .04 | | .08 | | | | | | .05 | | | | .35 | | | | | 2.76 |
| Jacksonville | do | .01 | | | .05 | .10 | .10 | | | .01 | .05 | .10 | .02 | .01 | | T. | .10 | T. | .01 | | | | | | | .10 | | | | | | | 0.66 |
| Manchester | Hudson | .25 | .31 | | | * | .53 | .55 | T. | | T. | .39 | .11 | | | | T. | .27 | | | | | | | | | | .40 | | | | | 2.81 |
| St. Johnsbury | Connecticut | .22 | .05 | T. | .01 | | .32 | .36 | .03 | .02 | | .05 | .08 | .03 | | | | .38 | .26 | T. | .34 | | | .35 | | T. | | .05 | .35 | | | | 2.90 |
| Vernon | do | T. | | | | 1.00 | .14 | | | .30 | .26 | .06 | .08 | | | .. | .76 | T. | .05 | | | | | | | | | .16 | | | | | 2.81 |
| Woodstock | do | .04 | | | | | | 1.42 | | | | .75 | .16 | | | | .34 | | | | | | | | | | | | | | | | 2.71 |
| *Massachusetts.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amherst | Connecticut | T. | | | | .28 | | | | .17 | .50 | .57 | .27 | | | | .52 | .04 | .24 | | | | | | T. | | | .03 | .03 | | | | 2.65 |
| Ashland | Merrimac | | | .04 | | | .94 | .06 | | | * | * | 2.56 | | | | .05 | .67 | .64 | | | | | | .05 | | | | .05 | | | | 5.06 |
| Bakers Bridge | do | .08 | | | | | .90 | .08 | | | 1.14 | .53 | .38 | | | | .07 | .37 | | | | | | | .25 | | | | | | | | 3.80 |
| Bedford | do | .08 | | T. | | | .62 | .07 | | | 1.04 | .32 | .33 | | | | .02 | .34 | T. | | | | | | T. | | | | .05 | | | | 2.87 |
| Blue Hill | Coast | T. | | | | | .57 | .05 | | T. | 1.67 | .39 | .37 | .02 | | T. | .49 | .30 | .01 | | | | | | .09 | | | | .07 | | | | 3.97 |
| Boston | do | | | .01 | | T. | .61 | .25 | | .01 | 1.25 | .36 | 1.24 | | | | .34 | .45 | .08 | | | | | T. | .28 | | | | .01 | | | | 4.89 |
| Chestnut Hill | do | | | | | .81 | .10 | .20 | | 1.02 | .51 | 1.57 | .30 | | | | .32 | .49 | | | | | | | | | | | .04 | | | | 5.36 |
| Clinton | Merrimac | | | | | | 1.16 | .07 | | * | * | * | * | 2.28 | | | * | .56 | .37 | | | T. | | | .18 | | | | .06 | | | | 4.68 |
| Concord | do | .04 | | .03 | | | .75 | .15 | | T. | 1.12 | .50 | .29 | .01 | | | .03 | .36 | T. | .02 | | | | | .02 | | | | .03 | | | | 3.35 |
| Fall River | Coast | | | | | .10 | .47 | .03 | | .10 | .57 | .03 | .97 | .03 | | | .70 | .31 | .62 | | | | | | .05 | | | | .03 | | | | 4.01 |
| Fitchburg | Merrimac | .02 | | | | | 1.18 | .11 | | .30 | .71 | .58 | .51 | | | | .34 | .41 | .13 | | | | | | .01 | | | | .05 | | | | 4.35 |
| Framingham | do | .03 | | .05 | | | 1.01 | .06 | | | * | * | 2.45 | | | | * | .78 | .33 | | | | | | .06 | | | | .04 | | | | 4.81 |
| Haverhill | do | .03 | T. | | | | .98 | .04 | .10 | | .75 | .52 | .46 | .02 | | | T. | .92 | .05 | .01 | | | | | .12 | .02 | | | .09 | | | | 4.11 |
| Hingham | Coast | T. | | | T. | | .45 | .17 | | | 1.46 | .10 | .79 | | | | * | .53 | .04 | | | | | | T. | T. | .15 | T. | T. | | | | 3.69 |
| Hyannis | do | | | | | | .59 | .02 | | | .83 | .06 | .52 | | | | .10 | .13 | .08 | | | | | | .07 | | | | .16 | | | | 2.56 |
| Jefferson | Merrimac | | | | | | .89 | | | | * | 1.77 | * | .80 | | | * | .40 | | | | | | | | | | | | | | | 3.86 |
| Lake Cochituate | do | | | | | | .87 | .04 | | | * | * | 2.55 | | | | * | .42 | .47 | | | | | | .13 | | | | .03 | | | | 4.51 |
| Lawrence | do | T. | | | | | .94 | .32 | | | .71 | * | .52 | | | | .19 | .26 | T. | | | T. | | | T. | | | | .05 | | | | 2.99 |
| Leominster | do | .05 | | | | | 1.06 | .04 | | .15 | .96 | .58 | .65 | | | | .27 | .42 | 1.09 | | | | | | T. | | | | .04 | | | | 5.31 |
| Lowell | do | | | | | | .77 | .09 | | | * | * | 2.94 | | | | | .34 | .10 | | | .04 | | | | | | .09 | | | | | 4.37 |
| Middleboro | Coast | .01 | | | | | .55 | .02 | | | .81 | .14 | .88 | | | | .05 | .25 | 1.67 | | | | | T. | .18 | | | | .08 | | | | 4.64 |
| Monson | Connecticut | .03 | | | | | .85 | .05 | | | .80 | .35 | .48 | T. | | | .15 | | .20 | | | | | .04 | | | | | .20 | | | | 3.15 |
| Nantucket | Coast | T. | | | | | .87 | .02 | | | 2.20 | .04 | .08 | | | .05 | 1.24 | .13 | T. | | | .62 | | .08 | .01 | | | .08 | .64 | | | | 6.06 |
| Norfolk | do | | | | | | .58 | .09 | | T. | 1.32 | .39 | .53 | | | | T. | .32 | .54 | | | | | | .03 | .15 | | | .11 | | | | 4.06 |
| Northampton | Connecticut | | | | | 1.16 | | | | .12 | .57 | .53 | .57 | | | | .57 | .12 | .15 | | | | | | | | | .08 | | | | | 3.87 |
| Plymouth | Coast | | | | | | .36 | .32 | | | * | 1.12 | * | .88 | | | * | .52 | .10 | | | | | | * | .06 | | | .08 | .10 | | | 3.54 |
| Princeton | Merrimac | | | | | | 1.00 | .16 | | * | * | * | 2.15 | | | | * | .56 | .20 | | | | | | | | | | .16 | | | | 4.23 |
| Provincetown | Coast | | | | | | .38 | | T. | | .85 | .93 | .43 | .13 | | | | .45 | | | | | | | | | | | .08 | | | | 3.25 |
| Rockport | do | | | | | | 1.10 | | | | 1.50 | .45 | .70 | | | | .10 | .60 | | | | | | | | | | | .15 | | | | 3.60 |
| Rutland | Connecticut | T. | | T. | | * | 1.00 | .12 | | * | * | * | 3.39 | | | | .25 | .23 | T. | | | | | | T. | | | T. | T. | | | | 4.99 |
| Salem | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Somerset | do | | | | | | .26 | .04 | | | .66 | .12 | .97 | | | | * | 1.09 | .52 | | | | | | .06 | | | | .08 | | | | 3.80 |
| South Egremont | Housatonic | .06 | T. | | | .90 | .02 | | | .42 | .38 | .40 | .12 | | | | .45 | .06 | .22 | | | | | | | | | .18 | | | | | 3.21 |
| Spot Pond | Coast | | | .01 | | .89 | .12 | .03 | | .95 | .47 | .66 | .32 | | | | .33 | .45 | .26 | | | | | | .06 | | | .02 | .02 | | | | 4.59 |
| Sterling | Merrimac | | | | | | 1.15 | | | | * | * | 2.65 | | | | * | * | .96 | | | | | | | | | | .07 | | | | 4.83 |
| Taunton | Coast | T. | | | | | .66 | .03 | | | * | * | * | 2.25 | | | * | .84 | .04 | | | | | T | T. | | | T. | .26 | | | | 4.08 |
| Turners Falls | Connecticut | T. | | | | * | .89 | .11 | | T. | * | 1.15 | .18 | | | | * | .58 | T. | | | | | | T. | | | * | .19 | | | | 3.10 |
| Westboro | Merrimac | .25 | | T. | | | .90 | T. | | | * | * | * | 2.28 | | | * | * | .73 | | | | | | T. | | | | .07 | | | | 4.23 |
| Williamstown | Hudson | .19 | .03 | | | .26 | .69 | .22 | .03 | .09 | .10 | .53 | .13 | | | | .15 | .33 | .02 | | | | | T. | | | | .26 | | | | | 3.03 |
| Winchendon | Connecticut | T. | | | | | .56 | .10 | | .07 | .47 | .48 | .20 | | | | .18 | .05 | | | | | | | .03 | | | T. | .07 | | | | 2.21 |
| Worcester | Coast | T. | | T. | | .01 | 1.03 | .26 | | T. | .91 | .42 | .69 | | | | .52 | .61 | .54 | | | | | | T. | | | | .04 | | | | 5.03 |
| *Rhode Island.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Block Island | Coast | | | | | .04 | .48 | .02 | | .03 | .98 | .23 | .47 | | | T. | .21 | .10 | T. | | | | | .07 | | | | .19 | | | | | 2.82 |
| Bristol | do | T. | | | | | .54 | .04 | | | .65 | .13 | * | 1.05 | | | * | * | 2.20 | | | | | | .08 | | | | .11 | | | | 4.80 |
| Greene | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hope Valley | do | | | .01 | | | 1.23 | .02 | | | .66 | .36 | .44 | .01 | | | .12 | 1.00 | .28 | .01 | | | | | .02 | | | | .04 | | | | 4.20 |
| Kingston | do | | | | | | 1.76 | | | | .83 | .22 | 1.57 | | | | .27 | .18 | .20 | | | | | | .17 | | | | .09 | | | | 5.29 |
| Narragansett Pier | do | | | T. | | | .90 | .01 | | | .78 | .30 | .77 | T. | | | .33 | .21 | .13 | | | | | T. | .10 | | | | .11 | | | | 3.64 |
| Pawtucket | do | T. | | | | | .70 | .11 | | | * | * | 1.66 | | | | T. | | .72 | | | | | T. | .03 | | | | .13 | | | | 3.35 |
| Providence | do | .02 | | | | .02 | .62 | .05 | | .03 | .85 | .31 | .33 | | | | .07 | .48 | 1.07 | | | | | | .01 | | | | .12 | | | | 3.98 |
| Wallum Lake | do | .10 | | | | | .45 | .10 | | | 1.22 | .80 | .35 | | | | .13 | .31 | 1.08 | | | | | .01 | | | | | .02 | .16 | | | 4.73 |
| *Connecticut.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bridgeport | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canton | Connecticut | T. | | T. | | | 1.40 | .09 | | | .83 | * | 1.09 | | | | .48 | | .40 | | | | | | | | | T. | .08 | | | | 4.37 |
| Colchester | Coast | .02 | | T. | | | .65 | .03 | | | .99 | .28 | 1.30 | T. | | | .40 | .14 | .15 | | | | | | | .05 | | | | | | | 4.01 |
| Cream Hill | Housatonic | .15 | | | | .06 | .71 | | | | .62 | .54 | .52 | | | | .71 | .30 | .15 | | | | | | | | | .13 | | | | | 3.89 |
| Danielson | Coast | .02 | | | | | .27 | .03 | | | .90 | .34 | .66 | | | | * | .40 | .08 | | | | | | | | | | .14 | | | | 2.84 |
| Falls Village | Housatonic | T. | | | | .30 | .49 | .06 | | .30 | .90 | .10 | .20 | | | | .45 | .25 | .06 | | | | | | | | | .06 | .05 | | | | 3.22 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 1*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Connecticut*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Farmington | Connecticut | | | | | .25 | .47 | .06 | | .17 | .74 | .61 | .96 | | | | .39 | .04 | .09 | | | .01 | | T. | | .18 | | .03 | .05 | | | | 4.16 |
| Hartford | do | .08 | T. | T. | | | .63 | | | | .62 | .51 | .67 | | | | .62 | .03 | .13 | | | | | | | | | | .12 | | | | 3.33 |
| Hawleyville | Housatonic | | | | | | 1.60 | | | | .85 | .35 | .85 | | | | .22 | .11 | | | | | | | | | | | | | | | 3.98 |
| Lake Konomoc | Coast | | | T. | | .50 | .47 | .03 | | .04 | .80 | .53 | 1.10 | | | | .45 | .03 | T. | .01 | | | | | | | | T. | .07 | | | | 4.03 |
| New Haven | do | T. | | T. | | | .60 | .04 | | | .77 | .16 | .82 | .17 | | | .27 | .50 | .27 | | | | | | | | | | .15 | | | | 3.83 |
| New London | do | | | T. | | | .38 | .03 | | | .93 | .36 | 1.17 | | | | .18 | .22 | .03 | | | | | T. | | | | | .08 | | | | 3.41 |
| North Grosvenordale | do | .03 | | | | * | 1.57 | .10 | | | .63 | .80 | * | 1.18 | | | .45 | .06 | .21 | | | | | | | | | | .08 | | | | 5.08 |
| Norwalk | do | | | | | T. | .55 | .05 | | | .80 | .60 | .75 | .05 | | | .40 | .10 | .05 | .05 | | | | | | .05 | T. | T. | | | | | 3.45 |
| Southington | do | T. | | | | .10 | .08 | .06 | | | * | .38 | .77 | | | | | | 1.07 | | | | | | .24 | | | | | | | 2.75 |
| South Manchester | Connecticut | * | .05 | T. | | | .60 | | | | | 1.35 | .95 | .65 | | | .35 | .12 | .50 | | | | | .18 | | | | | | | | | 4.88 |
| Storrs | Coast | .18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Torrington | Housatonic | | | | | | .58 | .09 | | | .73 | .25 | .65 | | | | .13 | .93 | .58 | | .40 | | | T. | | | | | T. | | | | 3.94 |
| Voluntown | Coast | | | | | 1.20 | .05 | | | .84 | .36 | .88 | .68 | | | .05 | .32 | | | | | | | | | | | .10 | | | | 4.88 |
| Wallingford | do | .02 | | | | | .60 | .05 | | .74 | * | .45 | .67 | | | | .54 | T. | | .10 | | .05 | | | | | | T. | .08 | | | | 3.30 |
| Waterbury | Housatonic | .03 | | T. | | * | 1.36 | .09 | | | .79 | * | .89 | | | | * | .73 | .16 | | | | | T. | | | | | T. | .05 | | | | 4.10 |
| West Simsbury | Connecticut | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | | | 2.45 |
| *New York.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Addison | Susquehanna | .01 | | .06 | | .06 | .03 | .25 | | | | .54 | | | | .48 | .66 | .16 | .17 | | | | | | | | | T. | .03 | | | | 2.40 |
| Albany | Hudson | .15 | | .10 | | .68 | .10 | .09 | | .03 | .07 | .60 | .05 | | | T. | .22 | .01 | .21 | | | | | | | | | .09 | | | | | 1.43 |
| Alfred | Susquehanna | T. | | .18 | | .04 | .06 | .11 | | | | .34 | | | | .62 | .05 | .03 | | | | | | | | | | T. | | | | | 3.90 |
| Amsterdam | Mohawk | .07 | | | | * | 1.48 | .48 | | .07 | .02 | .75 | .27 | | | | .42 | T. | .22 | | | | | | | | | .12 | | | | | 3.90 |
| Athens | Hudson | .54 | | .02 | | .76 | T. | .10 | | .16 | .26 | .68 | .06 | | | | .42 | .64 | .16 | | | | | | | | | .06 | .04 | | | | 4.49 |
| Ballston Lake | do | .17 | .03 | .18 | | .56 | 1.01 | .46 | T. | T. | .12 | .51 | .22 | | | | * | .37 | .74 | | | | | | | | | .10 | .02 | | | | 3.42 |
| Bedford | Coast | | | .01 | | .15 | .96 | .01 | | | .49 | .48 | .33 | .01 | | | .51 | .30 | .01 | .01 | | | | | | | | | .15 | | | | 2.27 |
| Binghamton | Susquehanna | .06 | | | | .30 | .13 | .02 | | T. | .02 | .64 | .13 | | | | .61 | .07 | .08 | | | | | | | | | .18 | .03 | | | | 2.39 |
| Bouckville | do | .08 | .03 | | | .43 | .33 | .51 | | .02 | .02 | .63 | .05 | | | | .16 | .06 | .04 | | | | | | | | | .03 | | | | | 5.03 |
| Carmel‖ | Hudson | | | | | * | 1.56 | | | * | .69 | .48 | .19 | .34 | | | .58 | .59 | .41 | | | | | | | | | * | .19 | | | | 3.17 |
| Chatham | do | .34 | .02 | .05 | | * | .63 | .15 | | .06 | .22 | .53 | .11 | .01 | | | .25 | .04 | .68 | | | | | | | | | .03 | .05 | | | | 4.24 |
| Cooperstown | Susquehanna | .22 | | | | 1.24 | .45 | .01 | | | .70 | | .12 | | | | .13 | .50 | | | | | | | | | | .87 | | | | | 3.72 |
| Corinth‖ | Hudson | | | | | | 1.80 | | .42 | | | .72 | .15 | .16 | | | | .35 | | .12 | | | | | | | | | | | | | 1.62 |
| Cortland | Susquehanna | .01 | .01 | | | .37 | | .35 | .05 | | .72 | .02 | | | | | .04 | .04 | | | | | | | | | | | .01 | | | | 3.94 |
| Cutchogue | Coast | .09 | | T. | | T. | .44 | .07 | | | 1.04 | .46 | .81 | .02 | | | .41 | .04 | .06 | | | | | .35 | | | | | .15 | | | | 4.78 |
| De Ruyter | Susquehanna | .09 | | | | .35 | .12 | .41 | .03 | .03 | .01 | .64 | .02 | | | | .06 | .01 | 3.01 | | | | | | | | | T. | | | | | 3.12 |
| Easton | Hudson | | | | | .62 | | | | .74 | .45 | .70 | .20 | | | | .24 | | .05 | | | | | | | | | .12 | | | | | 2.42 |
| Elmira | Susquehanna | .01 | | .01 | | .25 | .31 | | | | | | | | | | 1.10 | .55 | .15 | | | | | | | | | .04 | | | | | |
| Fort Hunter‖ | Mohawk | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.07 |
| Fort Plain | do | .29 | .06 | | | .30 | 1.23 | .68 | .07 | .11 | | .58 | .22 | .01 | | | .04 | .26 | .60 | .09 | | | | | | | | .19 | .36 | | | | 2.46 |
| Glens Falls | Hudson | .15 | | | | .17 | | * | .52 | | | .61 | .27 | | | | .10 | .12 | .50 | | | | | | | | | * | .02 | | | | 5.00 |
| Gloversville | Mohawk | .09 | .03 | | | .90 | 1.60 | .32 | | | .26 | .68 | .34 | | | | .04 | .42 | .24 | | | | | | | | | .04 | | | | | 4.13 |
| Greenfield Center | Hudson | .06 | | | | .60 | 1.00 | .33 | | | | .57 | .40 | | | | .30 | | .70 | | | | | | | | | .17 | | | | | 2.51 |
| Greenwich | do | .27 | .01 | | | .05 | .60 | .57 | T. | | .15 | .42 | .16 | | | | .03 | | .20 | | | | | | | | | .05 | | | | | 3.58 |
| Griffin Corners | Delaware | .22 | | | | .08 | .44 | .16 | | | .37 | .41 | .48 | | | | .47 | .03 | .69 | .15 | | | | | | .08 | | | | | | | 1.60 |
| Haskinville | Susquehanna | .03 | | | | .09 | T. | .20 | | .05 | | .39 | | | | | .13 | .32 | .39 | | | | | | | | | | | | | | 1.54 |
| Homer | do | .01 | .02 | | | .23 | .10 | .30 | .05 | .05 | | .62 | .04 | | | | .04 | .01 | .05 | | | | | | | | | | .02 | | | | 3.13 |
| Hoosick Falls‖ | Hudson | .18 | .21 | .04 | | * | .59 | .20 | | * | .10 | .11 | .23 | .20 | | | * | .25 | .04 | .06 | | | | | | | | * | .92 | T. | | | 3.30 |
| Indian Lake | do | .05 | | | | | .80 | .40 | | | | .40 | .10 | | | .40 | | | 1.05 | | | | | | | | | | .10 | | | | 3.52 |
| Jeffersonville | Delaware | T. | | | | 1.30 | | T. | | | .48 | .57 | .16 | | | | .21 | .10 | .27 | .03 | | | | | | | | T. | .40 | | | | 2.50 |
| Lake Pleasant | Hudson | | | | | .40 | .70 | | | | | .50 | .20 | | | | | | .60 | | | | | | | | | .10 | | | | | 3.36 |
| Liberty | Delaware | .03 | T. | | | .20 | 1.10 | T. | | * | .30 | .15 | .20 | | .36 | .10 | .50 | T. | T. | T. | | | | | | | | .42 | | | | | 3.96 |
| Little Falls | Mohawk | .17 | .04 | | | .68 | .35 | .36 | .02 | .03 | .13 | .60 | .18 | | | | .12 | | 1.10 | | | T. | | | | | | .10 | .08 | | | | 2.61 |
| Mohonk Lake | Hudson | * | .03 | | | | | | | * | .52 | .69 | .14 | .20 | | | * | .50 | .29 | | | | | | | | | .22 | | | | | 3.77 |
| Morehouseville | Mohawk | .08 | | | | .87 | .42 | .45 | .03 | | | .56 | .20 | | | .15 | .08 | .20 | .68 | | | | | | | | | .10 | | | | | 5.90 |
| Mount Hope | Coast | | T | | | .40 | .65 | | | | .25 | .40 | 1.10 | .80 | | | 1.40 | * | .70 | | | | | | | | | | .20 | | | | 2.46 |
| Newark Valley | Susquehanna | .03 | T. | | | .67 | T. | .48 | | | | .67 | .09 | | | | .35 | | .07 | | | | | | | | | .07 | .03 | | | | 3.50 |
| New Berlin‖ | do | .41 | .05 | | | * | 1.30 | .52 | .02 | | T. | .70 | .04 | .06 | | | | .15 | .03 | .09 | | | | | | | | * | .13 | | | | 3.41 |
| New Lisbon | do | .40 | | | | .48 | .40 | .53 | | .02 | | .57 | .10 | | | | .30 | | .04 | | | | | | | | | .54 | .03 | | | | 5.10 |
| New York | Coast | | | .02 | | .60 | .06 | .12 | | .51 | .50 | .24 | 1.74 | | | | .47 | .05 | .73 | | | T. | | | | | | .04 | .02 | | | | 2.71 |
| North Creek | Hudson | | | | | * | .85 | .50 | | | | .50 | .17 | | | | | .10 | .51 | | | | | | | | | .08 | | | | | 5.44 |
| Northville‖ | do | .10 | | | | 2.00 | .70 | | | | .25 | .49 | .26 | | | | .30 | | 1.34 | | | | | | | | | | | | | | 2.78 |
| Norwich | Susquehanna | | | | | | 1.05 | .40 | | | | | | .70 | | | | .19 | | | | | | | | | | | .44 | | | | 3.10 |
| Oneonta | do | .47 | | | | .57 | .28 | .50 | | | | .49 | .13 | | | | .29 | | .20 | | | | | | | | | .17 | | | | | 4.44 |
| Oxford | do | .22 | T. | | | .17 | .67 | .49 | | | | .61 | .12 | | | T. | .25 | | 1.55 | | | | | | | | | .36 | | | | | 3.53 |
| Port Jervis | Delaware | .03 | | .08 | | .20 | .52 | | | .54 | | .50 | .23 | | | | .33 | .38 | .30 | | | | | | | | | .42 | | | | | 4.20 |
| Salisbury | Mohawk | .18 | | | | 1.10 | .36 | .46 | | | .18 | .68 | .28 | | | | .05 | .08 | .72 | | | | | | | | | | .11 | | | | 4.42 |
| Salisbury Mills | Hudson | .02 | | | | * | 1.04 | | | * | .60 | .67 | .32 | | | | * | * | 1.25 | .35 | | | | | | | | * | .22 | | | | 6.03 |
| Scarsdale | Coast | .10 | | | | .50 | .96 | | | .30 | .26 | .50 | 1.44 | | | .46 | .22 | .20 | 1.00 | | | | | | | | | T. | .09 | | | | 3.51 |
| Setauket | do | | | .04 | | .16 | .28 | .06 | | * | 1.10 | .30 | .50 | T. | | | .75 | T. | .16 | | | | | | | | | | .16 | | | | 2.28 |
| Sherburne‖ | Susquehanna | .28 | T. | | | * | .85 | .36 | T. | | | .66 | T. | | | | * | .13 | T. | | | | | | | | | | | | | | 3.92 |
| Southampton | Coast | T. | | .01 | | T. | .23 | .06 | | | 1.02 | .36 | .75 | .02 | | | .36 | .07 | .55 | | | | | T. | .13 | | | | .36 | | | | 3.97 |
| Spier Falls | Hudson | .11 | | | | .46 | .99 | .70 | | | | .85 | .30 | | | T. | T. | .41 | .15 | | | | | | | | | | T. | | | | 3.57 |
| Trenton Falls‖ | Mohawk | T. | .12 | | | * | 1.30 | .71 | .03 | | .05 | .32 | .34 | | | | | * | .50 | .20 | | | | | | | | | T. | | | | 5.30 |
| Tribeshill‖ | do | .30 | | | | T. | | 1.90 | | .40 | | .50 | 1.20 | | | | .30 | .10 | .40 | | | | | | | | | .20 | | | | | 3.80 |
| Utica‖ | do | .05 | .30 | | | * | .90 | .48 | .30 | | * | .15 | .10 | .35 | | | * | .10 | .85 | | | | | | | | | * | .22 | | | | 5.78 |
| Wading River | Coast | | | .01 | | .03 | .72 | .08 | | * | 1.37 | 1.83 | 1.03 | .02 | | | .40 | .01 | .12 | | | | | | | | | * | .15 | | | | 5.61 |
| Wappingers Falls | Hudson | .02 | | | | .05 | 1.02 | | | T. | .92 | .82 | .38 | | | | 1.10 | T. | 1.12 | | | | | | | | | .18 | | | | | 3.07 |
| Warwick | do | .07 | | | | .16 | .50 | | | | .51 | .45 | .32 | | | | .45 | | .33 | | | | | | | | | | .28 | | | | 2.53 |
| Waverly | Susquehanna | .02 | T. | .01 | | .16 | T. | .35 | | | | .73 | .03 | | | | .35 | T. | .52 | .01 | | | | | | | | .25 | .10 | | | | 4.38 |
| West Berne | Mohawk | .39 | | | | .27 | .36 | .29 | | .12 | .08 | .74 | .12 | | | .13 | .26 | .13 | 1.45 | | | | | | | | | .05 | | | | | 4.77 |
| West Point | Hudson | | | | | * | 1.20 | | | * | .50 | 1.10 | .10 | .30 | | | .07 | .50 | T. | .80 | | | | | | | | | .20 | | | | 5.58 |
| Windham | Mohawk | .36 | | | | .17 | .53 | .30 | T. | T. | .23 | .51 | .03 | | | | .72 | .62 | 1.55 | | | | | | | | | .12 | .44 | | | | |
| *Pennsylvania.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Altoona | Susquehanna | .03 | T. | | | .85 | .08 | | | .90 | .37 | | | T. | | | .58 | T. | .05 | | | | | | | | | | .70 | | | | 3.56 |
| Ansonia‖ | do | | T. | .23 | | .06 | .09 | .14 | T. | | .09 | .59 | .07 | | | | .20 | .35 | .17 | | | | | | | | | | .07 | | | | 3.00 |
| Bellefonte | do | .07 | .25 | .17 | | .50 | .04 | .01 | | .65 | .54 | .08 | | | | | | .19 | | | | | | | | .50 | | | | | | | 2.06 |
| Bethlehem | Lehigh | .05 | | .23 | | .01 | .35 | | | | .36 | .45 | .44 | T. | T. | | .55 | .13 | .05 | T. | | T. | | | | | | T. | .75 | T. | | | 3.37 |
| Brewers Lock | Schuylkill | | | .20 | | .04 | .18 | .02 | | .54 | .36 | .30 | .12 | | | | | .27 | 1.20 | .23 | | | | | | | | .25 | .45 | | | | 4.16 |
| Catawissa | Susquehanna | .04 | | 1.36 | | .46 | | .04 | | .65 | | .60 | .16 | | | | .62 | .12 | .07 | | | | | | | | | .05 | .27 | | | | 4.44 |
| Center Hall | do | .15 | | .70 | | .50 | .18 | T. | | .68 | T. | .69 | .18 | | | | .58 | .22 | .46 | | | | | | | | | .25 | .25 | | | | 4.84 |
| Clearfield | do | .04 | .10 | .22 | | .02 | .84 | .06 | .02 | | .56 | .50 | .08 | | T. | | .04 | .14 | .06 | | | | | | | | | | .48 | | | | 3.16 |
| Coatesville | Coast | | .05 | .31 | | .35 | .06 | | | .65 | .54 | .39 | .87 | | | | .56 | .12 | 1.40 | | | | | | | | | .15 | .33 | | | | 5.78 |
| Doylestown | Schuylkill | | | .27 | | .10 | .41 | | | .19 | 1.40 | .33 | .94 | | | | .24 | | | | | | | | | | | | .41 | .20 | | | 4.49 |
| Drifton | Susquehanna | .02 | | .60 | | .20 | .40 | .03 | | .06 | .54 | .32 | .15 | | | | .50 | .50 | .58 | | | | | | | | | .02 | .28 | | | | 4.20 |
| Emporium | do | .13 | .10 | .22 | | .16 | .15 | .08 | | .13 | .22 | .48 | | | | .14 | .10 | .04 | .10 | | | | | | | | | T. | .16 | | | | 2.21 |
| Ephrata | do | | | 1.06 | | .35 | .02 | | | .06 | .83 | .33 | .43 | | | | .61 | .45 | 2.74 | | | | | | | | | | .58 | | | | 7.46 |
| Everett | Juniata | T. | .07 | .21 | | .88 | | | | .28 | .72 | .91 | .32 | | | | .83 | | .60 | | | .11 | | | | | | | .58 | | | | 5.53 |
| Forks of Neshaminy | Delaware | | | .53 | | .35 | | .12 | | | 1.68 | .16 | .53 | | | | .22 | | .15 | | | | | | | | | .12 | .33 | | | | 4.19 |
| George School | do | | | .58 | | .50 | .03 | .05 | | .60 | 1.04 | | .55 | T. | | | .26 | .56 | .06 | .02 | | | | | | | | | .39 | | | | 4.64 |
| Gettysburg | Potomac | | .10 | 1.01 | | .32 | .22 | | | .35 | .66 | 1.10 | .30 | T. | | | .67 | .40 | .09 | | 1.20 | | | | | | | | .33 | | | | 6.75 |
| Girardville | Susquehanna | T. | T | .92 | | .78 | | T. | | .35 | .30 | .24 | .54 | | | | 1.69 | .10 | .40 | | | | | | | | | .20 | .34 | | | | 5.86 |
| Gordon | do | | .03 | 1.51 | | .32 | .31 | | | .26 | .44 | .37 | .24 | | | | 1.02 | .91 | .31 | | | | | | | | | .15 | .41 | | | | 6.28 |
| Hamburg | Schuylkill | | | | | | .48 | .27 | | | | .84 | .24 | | | | .94 | 1.20 | .79 | | | | | | | | | 1.20 | .42 | | | | 6.38 |
| Hanover | Susquehanna | | .07 | 1.27 | | .22 | .12 | | | 1.16 | .02 | .42 | .39 | | | | .29 | | .20 | | .03 | | | | | | | | .30 | | | | 4.49 |
| Harrisburg | do | T. | T. | 1.25 | | .23 | | | | .49 | .28 | .24 | .17 | T. | | T. | .77 | .71 | .11 | | | | | | | | | .09 | .57 | | | | 4.91 |
| Huntingdon | Juniata | .02 | .02 | .45 | | .83 | .47 | .03 | | .16 | .73 | .63 | .25 | | | | .33 | .27 | .27 | | | | | | | | | | 1.00 | | | | 5.46 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 1*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Pennsylvania*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyndman | Potomac | .04 | | .06 | .06 | .86 | T. | | | .52 | .90 | .21 | .24 | T. | | | .62 | T. | 2.27 | .35 | T. | 1.40 | | | .14 | | | | .15 | | | 7.82 |
| Kennett Square | Coast | | | .14 | | .68 | | | | 1.50 | .56 | .54 | | | | T. | .41 | .73 | .72 | | | T. | .09 | | | | | .93 | .10 | | | 6.40 |
| Lancaster | Susquehanna | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lansdale | Schuylkill | | | .08 | | .49 | | | | .40 | 1.43 | | 1.11 | | | | | .29 | .10 | | | | | | | | | | .34 | | | 4.24 |
| Lawrenceville | Susquehanna | .05 | T. | .18 | | .15 | .15 | .52 | .50 | | | .50 | .05 | | | | .45 | .60 | .50 | | | | | | | | | T. | | | | 3.65 |
| Lebanon | ....do | T. | T. | 1.91 | | .26 | .23 | T. | | .13 | .39 | .34 | .23 | T. | | | .50 | .34 | .38 | .61 | | | | | | | | T. | .45 | | | 5.77 |
| Le Roy | ....do | .01 | .01 | .16 | | .07 | .12 | .09 | | .01 | .36 | .55 | .06 | | | | .66 | .48 | .71 | | | | | | | | | .52 | .13 | | | 3.94 |
| Lewisburg | ....do | .12 | | 1.52 | | .39 | .24 | .01 | | .15 | .42 | .63 | .30 | | | 01 | 1.57 | .09 | .06 | | | | | | | | | .23 | | | | 5.74 |
| Lock Haven | ....do | .10 | .03 | .42 | | .39 | | .04 | | .63 | .60 | .10 | .02 | | | | .42 | .16 | .50 | | | | | | | | | | .26 | | | 3.67 |
| Marion | Potomac | T. | .12 | .78 | | .37 | .17 | | | .52 | .62 | .95 | .22 | | | | 2.62 | | | | | | | | | | | | .38 | | | 6.75 |
| Mauch Chunk | Delaware | | | .35 | | .47 | .50 | .02 | | .08 | .33 | .29 | .20 | | | | .56 | .30 | .29 | | | | | | | | | | .24 | | | 3.63 |
| Mifflintown | Juniata | T. | | 1.10 | | .80 | .13 | | | .21 | .46 | .56 | .30 | | | | 1.82 | .38 | .42 | | | | | | | | | | 1.00 | | | 7.18 |
| Milford | Delaware | | | .16 | | .05 | .74 | | | | .58 | .52 | .32 | .01 | | | .27 | .08 | .36 | | | | | | | | | | .59 | | | 3.69 |
| Montrose | Susquehanna | .05 | T. | .03 | | .09 | .28 | .08 | | | T. | .66 | .27 | | | | .32 | .02 | .14 | .08 | | | | | | | | T. | .27 | | | 2.29 |
| Mountain House | Juniata | | .06 | .35 | | .76 | | | | .41 | .62 | .85 | .42 | | | .88 | .17 | .40 | | | | .05 | .51 | | | | | | .91 | | | 6.39 |
| Muncy Valley | Susquehanna | T. | | .72 | | .51 | T. | T. | | .98 | .68 | T. | .22 | T. | | | 1.64 | 1.10 | | | | | | | | | | T | | | | 5.85 |
| New Germantown | ....do | | | 1.69 | | .68 | | | 1.20 | | | .75 | .32 | | | | 1.65 | .05 | .60 | | | | | | | | | | | .50 | | | 7.44 |
| Ottsville | Delaware | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Philadelphia (1) | ....do | | .01 | .13 | | .34 | | .16 | | 2.03 | .19 | .15 | .99 | | | .01 | .31 | .10 | .47 | | | | | | | | | .32 | .19 | | | 5.40 |
| Pocono Lake | ....do | | | .47 | | .30 | .32 | T. | | T. | | .86 | .16 | | | | .45 | | .82 | | | .06 | | | | | | | .29 | | | 3.73 |
| Point Pleasant | ....do | | | .38 | | .31 | .15 | | | | .90 | .33 | 1.23 | | | | .21 | | .05 | | | | | | | | | .06 | .15 | | | 3.77 |
| Pottsville | Schuylkill | | | 1.47 | | .67 | .06 | | | .26 | .07 | .45 | .15 | | | | 1.21 | .65 | .42 | | | | | | | | | .08 | .25 | | | 5.47 |
| Reading | ....do | | | 1.06 | | .35 | .01 | | | .54 | .06 | .34 | .45 | | | | .43 | .30 | .40 | | | | | | | | | .01 | .31 | | | 4.26 |
| Renova‖ | Susquehanna | .04 | .08 | .26 | | T. | .32 | .14 | .08 | | .54 | .56 | T. | | | | .22 | .24 | .28 | | | | | | | | | | .20 | | | 2.96 |
| Scranton | ....do | .01 | | .35 | | .58 | | | | .30 | .04 | .25 | .10 | | | .08 | .19 | .31 | .03 | | | | | | | | | .72 | .09 | | | 3.05 |
| Seisholtzville | Schuylkill | | | .30 | | .13 | .25 | | | .05 | .44 | .37 | .44 | | | | .89 | .19 | .66 | | | | | | | | | .09 | .28 | | | 4.09 |
| Selinsgrove | Susquehanna | .01 | .05 | 1.53 | | .29 | .25 | | | .50 | .59 | .66 | .24 | | | | | 2.50 | .53 | | | | | | | | | .58 | .48 | | | 8.21 |
| Shawmont | Schuylkill | | | .10 | | .50 | | .15 | | .30 | 2.00 | .30 | .70 | .05 | | | .28 | | .45 | | | .10 | | | | | | | .20 | | | 5.13 |
| Smiths Corners | ....do | | | .35 | | .34 | | .16 | | | .97 | .45 | 1.64 | | | | .31 | | .12 | | | | | | | | | .10 | .19 | | | 4.63 |
| Spring Mount | ....do | | | .13 | | .28 | .11 | | | .12 | .85 | .56 | .90 | | | | .70 | .61 | .74 | | | .13 | | | | | | .26 | .28 | | | 5.67 |
| State College | Susquehanna | .13 | T. | .47 | | .58 | .03 | .02 | | .47 | .12 | .69 | .15 | | | | .28 | T. | .07 | | | | | | | | | .01 | .77 | | | 3.79 |
| Towanda | ....do | .07 | T. | .05 | | .18 | .07 | .16 | | T. | .26 | .63 | .10 | | | .17 | .61 | .51 | 1.03 | | | | | | | | | .22 | .18 | | | 4.24 |
| Wellsboro | ....do | | | .21 | | .08 | | .23 | | | .11 | .63 | | | | .15 | .30 | | .13 | | | | | | | | | | .11 | | | 1.95 |
| West Chester | Coast | | .01 | .18 | | .38 | .15 | .14 | | .65 | .60 | .59 | .85 | .01 | | | .49 | .77 | 1.18 | | | .05 | | | | | | .67 | .44 | .12 | | 7.28 |
| Wilkes-Barre | Susquehanna | T. | T. | .36 | .18 | | .30 | | T. | | .30 | .44 | .06 | .04 | | | .04 | .20 | .26 | .26 | | .02 | | | | | | | .48 | | | 3.14 |
| Williamsport | ....do | | .01 | 48 | .34 | .08 | .38 | T. | T. | | .64 | .42 | | .11 | | | .04 | .98 | .14 | T. | | | | | | | | | .22 | | | 3.84 |
| *New Jersey.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Asbury Park | Coast | | | .32 | | .10 | .25 | .20 | | * | 2.02 | .48 | .77 | | | * | .51 | | .38 | | | .13 | | | | | | * | .48 | | | 5.64 |
| Atlantic City | ....do | | .01 | .50 | | .74 | T. | .17 | | .74 | .99 | .21 | .29 | .03 | T. | .25 | .06 | .33 | 1.27 | | | | | | | | | .02 | .20 | | | 5.81 |
| Bayonne | ....do | | | .03 | | .31 | .28 | .15 | | * | .98 | .38 | .99 | | | | .53 | .03 | .27 | | | | T. | | | | | * | .17 | | | 4.12 |
| Belvidere | Delaware | .05 | | .33 | | .15 | .46 | | | * | .29 | .66 | .41 | | | | .28 | .25 | .06 | | | | | | | | | * | .22 | | | 3.16 |
| Bergen Point | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boonton‖ | Passaic | T. | | .04 | .01 | * | 1.38 | | | * | .49 | .33 | .58 | .27 | | | .20 | .08 | * | .50 | | .04 | | | | | | * | .10 | | | 4.02 |
| Bridgeton | Coast | .08 | | .10 | | .80 | .26 | .28 | | * | 2.73 | .15 | .73 | .10 | | .05 | .61 | .08 | .35 | | | | | | | | | 1.50 | .18 | | | 8.01 |
| Burlington‖ | Delaware | | .06 | .53 | | .40 | .16 | | | 1.60 | .10 | .13 | .73 | | | * | .46 | .03 | .18 | | | .18 | | | | | | .71 | .04 | | | 5.31 |
| Canton | Coast | .13 | | .13 | | .97 | .23 | | | * | 2.35 | * | .78 | T. | T. | * | .46 | .22 | .41 | | | | | | | | | * | .67 | | | 6.35 |
| Cape May | ....do | | .01 | .22 | | 1.01 | .02 | .06 | | .51 | .51 | .16 | .45 | .20 | .06 | .24 | .06 | .58 | .40 | | | | | | | | | .40 | .14 | | | 5.03 |
| Charlotteburg | Passaic | | | | | * | 1.20 | | | * | .35 | * | .91 | | | | .59 | .75 | .25 | | | | | | | | | * | .18 | | | 4.23 |
| Chatham‖ | ....do | .05 | | .08 | .05 | * | 1.20 | | | * | .40 | .10 | .55 | .30 | | * | .25 | .15 | .10 | 1.20 | | | .05 | | | | | * | .15 | | | 4.63 |
| Clayton | Coast | | | .19 | | * | .74 | .24 | | * | 2.47 | .17 | .42 | .06 | | * | .63 | T. | .37 | | | T. | | | | | | * | .90 | | | 6.19 |
| College Farm | ....do | | | .25 | | .15 | .36 | .31 | | * | 1.36 | .32 | .92 | | | | .36 | .01 | .46 | | | | | | | | | * | .44 | | | 4.94 |
| Culvers Lake | Delaware | | | .18 | | .25 | 1.10 | | | * | .44 | .68 | .39 | .01 | | | .36 | .19 | .15 | | .20 | | | | | | | * | .24 | | | 4.19 |
| Dover | Passaic | | | .12 | | * | 1.07 | | | * | .38 | .89 | .10 | .02 | | | .41 | .05 | 1.28 | | | .13 | | | | | | | .12 | | | 4.57 |
| Elizabeth | Coast | | | .07 | | ¢ | .58 | .08 | | * | 1.00 | * | 1.15 | | | | .32 | * | .52 | | | | | .14 | | | | * | .17 | | | 4.03 |
| Flemington | ....do | | | .34 | | .21 | .45 | | | * | .96 | .29 | .90 | | | | .31 | .06 | .11 | | | .02 | | | | | | * | .52 | | | 4.17 |
| Friesburg | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haddonfield | Delaware | | .03 | .32 | | .36 | .07 | .44 | | .24 | 1.89 | .11 | .62 | .03 | | * | .41 | .06 | .29 | | | T. | T. | | | | | * | 1.09 | | | 5.96 |
| Hammonton | Coast | | .05 | .41 | | .71 | | .17 | | * | 2.37 | .20 | * | 1.27 | | * | .56 | .29 | .69 | | | | | | | | | * | .66 | | | 7.38 |
| Hightstown | Delaware | | | .62 | | .42 | | .13 | | .90 | .82 | .26 | .95 | .02 | | * | .49 | | .16 | | | T. | | | | | | .26 | .31 | | | 5.34 |
| Imlaystown | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Indian Mills | Coast | | | .42 | | .24 | .30 | .24 | | * | 2.05 | .30 | 1.61 | .07 | T. | * | .83 | T. | .30 | | | T. | | | .02 | | | * | 1.05 | | | 7.43 |
| Jersey City | ....do | T. | | .02 | | .60 | .11 | .13 | | .25 | .61 | .32 | 1.11 | | | | .44 | .03 | .88 | | | | | | | | | .01 | .09 | | | 4.60 |
| Lakewood | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lambertville | Delaware | | | .65 | | .58 | | | | * | 1.36 | .22 | .62 | | | | .31 | .69 | .12 | | | | | | | | | * | .25 | | | 4.80 |
| Layton | ....do | | | | | * | .73 | | | * | .47 | .58 | .31 | .02 | | | .28 | .09 | .18 | | | | | | | | | | | | | 2.66 |
| Little Falls | Passaic | | | .02 | | .82 | .05 | | | .34 | .33 | .46 | .82 | | | | .39 | .02 | .45 | | | .02 | | | | | | T. | .10 | | | 3.82 |
| Long Branch | Coast | | | .12 | | .13 | .21 | .18 | | * | 1.87 | .54 | 1.02 | | | | .39 | .02 | .81 | | | T | | | | | | * | .44 | | | 5.73 |
| Mahwah‖ | Passaic | | | | | * | 1.75 | | | * | 1.05 | * | .15 | | | | .75 | 1.80 | .70 | | | | | | | | | * | .10 | | | 5.30 |
| Moorestown | Delaware | | .01 | .55 | | .34 | .06 | .23 | | .05 | 1.81 | .10 | .55 | .02 | | * | .48 | T. | .24 | | | .24 | | | .03 | T. | | .01 | .74 | | | 5.46 |
| Newark | Passaic | | T. | | | .88 | .12 | .02 | | .70 | .30 | .33 | .72 | | | | .48 | | 1.23 | | | .02 | | T. | | | | * | .02 | | | 4.82 |
| New Brunswick | Coast | | | .07 | | .45 | .25 | .02 | | 1.16 | .24 | * | 1.43 | | | | .45 | .02 | .43 | | | | | | | | | * | .25 | | | 4.77 |
| Newton | Delaware | | .20 | .04 | | .38 | .77 | | | * | .46 | .65 | .49 | | | | .25 | .06 | .12 | | | | | | | | | * | .18 | | | 3.60 |
| Northfield | Coast | | .02 | .60 | | 1.00 | | .19 | | .36 | 2.65 | .32 | .26 | .09 | T | * | .26 | 1.07 | .86 | | | | | | | | | * | .25 | | | 7.93 |
| Oceanic | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paterson | Passaic | | | .04 | | .12 | .76 | | | * | .56 | .50 | 1.07 | | | | .61 | .53 | .38 | | T. | | | | | | | * | .06 | | | 4.63 |
| Phillipsburg | Delaware | .01 | | .36 | | .65 | .05 | T. | | .21 | .14 | .92 | .62 | | | | .35 | .26 | .24 | | | | | | | | | .11 | .17 | | | 4.09 |
| Plainfield | Coast | | | .20 | | .41 | .39 | .04 | | * | 1.25 | .30 | .81 | | | | .32 | T. | 1.47 | | | T. | | | | | | * | .05 | | | 5.24 |
| Pleasantville | ....do | | .02 | .53 | | .83 | .25 | .19 | | .58 | 2.42 | .24 | .21 | .04 | | .01 | .39 | .92 | .96 | | | | | | | | | | .31 | | | 7.90 |
| Pompton Plains‖ | Passaic | .01 | | | | * | 1.40 | | | * | .45 | .48 | .27 | .47 | | | .23 | .13 | .02 | .39 | | | | | | | | * | .07 | .04 | | 3.96 |
| Rancocas | Delaware | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rivervale | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Runyon | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Somerville | ....do | | | .25 | | .28 | .56 | .02 | | * | 1.22 | .26 | .64 | | | | .32 | .03 | .70 | | | | | | | | | * | .30 | | | 4.58 |
| South Orange | ....do | | | T. | | .72 | .33 | | | * | 1.02 | .40 | 1.12 | | | | .36 | .02 | .83 | | | | | | | | | T. | T. | | | 4.80 |
| Sussex | Hudson | | | .14 | | .15 | 1.07 | | | * | .49 | .51 | .33 | | | | .44 | * | .16 | | | | | | | | | * | .40 | | | 3.69 |
| Trenton | Delaware | | | 1.00 | | .51 | | .15 | | * | 1.70 | .20 | 1.35 | .03 | | * | .03 | * | .17 | | | T. | | | | | | * | .50 | | | 5.64 |
| Tuckerton | Coast | | .06 | .57 | | .45 | .35 | .22 | | * | 2.80 | .21 | .40 | .07 | T. | .03 | .48 | .14 | .28 | | | | .07 | | | | | * | .52 | | | 6.65 |
| Vineland | ....do | | .02 | .46 | | .69 | .09 | .36 | | .34 | 2.42 | .16 | .89 | .03 | T. | T. | .68 | .44 | .56 | | | | T. | | | | | T. | .34 | | | 7.48 |
| Woodbine | ....do | | | .31 | | * | 1.00 | .37 | | * | 2.03 | .11 | .30 | .11 | | .04 | * | 1.05 | .31 | | | | | | | | | .20 | | | | 5.83 |
| *West Virginia.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bayard | Potomac | .16 | .35 | .31 | | .78 | .05 | .29 | | .24 | .32 | .76 | .34 | .06 | .45 | T. | 1.44 | .06 | .17 | .63 | | | .19 | | T. | | | T. | .51 | | | 7.11 |
| Burlington | ....do | | | | | | | | | 1.00 | 2.10 | .10 | .40 | .20 | | | 2.40 | T. | 1.20 | | | | | | .10 | | | T. | | | | | 7.50 |
| Franklin | ....do | | | | | .72 | | | | * | * | 1.64 | .40 | .80 | | ‖ | 3.00 | 2.20 | | T. | T. | | | | | | | | | | | 8.76 |
| Harpers Ferry‖ | ....do | | | .71 | | | .45 | | | | .91 | .55 | | .33 | | | 1.50 | .28 | .35 | .22 | | | | | | | | | | | | 5.30 |
| Lost City | ....do | | .36 | | | .58 | | | | .65 | 1.02 | | .52 | .21 | | | 3.75 | .12 | .98 | | | | | | .10 | | | | .04 | | | 8.33 |
| Martinsburg‖ | ....do | T. | | .82 | | .43 | | | | .92 | 1.08 | | .35 | | | | 1.47 | .15 | .22 | | | | | | | | | 22 | | | | 5.66 |
| Moorefield | ....do | T. | | T. | | .27 | T. | T. | | .59 | 1.09 | .63 | .61 | .22 | T. | | 3.87 | T. | T. | 1.29 | | .61 | | | .55 | | | .13 | | | | 9.86 |
| Romney‖ | ....do | | | .22 | T. | T. | .40 | .04 | | | .52 | 1.52 | .52 | .07 | .02 | | 1.66 | .23 | .55 | 1.95 | .02 | | | | | .33 | | | .09 | | | 8.14 |
| Upper Tract | ....do | | | T. | | .62 | | | | .58 | 1.03 | .50 | .51 | .50 | | T. | 3.40 | T | .25 | .77 | | T. | | T. | | | | | .20 | | | 8.36 |
| *Maryland.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Annapolis | Coast | .10 | | .75 | | 1.00 | | | | 1.60 | .55 | | 1.20 | .30 | .25 | | .40 | .60 | .30 | | | | | | | | | | .60 | | | 8.05 |
| Bachmans Valley | ....do | T. | .04 | 1.30 | | .21 | .11 | | | .73 | .50 | .23 | .32 | T. | | | .35 | .12 | .29 | | T. | .05 | | | | | | | .17 | | | 4.42 |
| Baltimore | ....do | .01 | | .20 | | .74 | .18 | | | 1.92 | .22 | .64 | 1.01 | T. | | .06 | .13 | .02 | .03 | | | | | | | | | .13 | .01 | | | 5.30 |
| Cambridge | ....do | | | .43 | | .93 | .1 | | | .32 | 1.37 | .73 | .68 | .27 | .26 | .21 | .31 | | .11 | | | | | | | | | * | .43 | | | 6.23 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 1*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Maryland*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cheltenham | Coast | .03 | | .38 | | .85 | | | | .38 | .64 | .16 | 1.02 | .25 | .04 | .04 | .17 | .97 | .10 | | | | | | | | | | 1.36 | | | | 6.39 |
| Chester | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chestertown | do | | .03 | .30 | | .70 | .04 | .52 | | .90 | 1.15 | .24 | 1.63 | .10 | | .15 | .10 | .13 | .15 | .95 | | | | | | | | .80 | | | | 7.89 |
| Chewsville | Potomac | .05 | | .72 | | .34 | | .03 | | .99 | .51 | | .27 | T. | T. | 1.18 | .98 | .15 | .24 | | | T. | | | T. | | | .10 | | | | 5.44 |
| Clear Spring‖ | do | T. | .06 | .70 | .05 | .15 | .33 | T. | | | 1.06 | 1.15 | .21 | | .02 | | .85 | .66 | .12 | .20 | | | T. | | | | | .20 | | | | 5.76 |
| Coleman | do | | | .41 | | .73 | | .25 | | 1.96 | .25 | .10 | .71 | .27 | T. | .08 | T. | .63 | 1.09 | | | | | | | | | .04 | | | | 6.52 |
| College Park | do | | T. | .26 | | .87 | T. | .10 | | .55 | .42 | .19 | 1.02 | 05 | | | .20 | .22 | | | | | | | | | .54 | | | | | 4.42 |
| Cumberland | do | T. | .03 | .08 | | .15 | .25 | | | | .90 | 1.20 | .30 | .08 | T. | | .55 | .40 | .18 | 1.45 | .26 | .10 | .03 | | | .25 | | T. | | | | 6.21 |
| Darlington | Coast | | .06 | .63 | | .32 | .04 | | | | 1.54 | .54 | .92 | .02 | | | .30 | .97 | .11 | .70 | | T. | | | | | | .30 | .03 | | | 6.45 |
| Denton | do | | | .20 | | 1.11 | .08 | .06 | | .34 | 1.80 | .52 | .70 | .14 | .04 | .05 | .11 | .24 | .17 | .14 | | | | | | | | | .87 | | | 6.57 |
| Easton | do | | | .18 | | .19 | | | | .66 | 1.21 | .13 | .96 | .12 | .06 | .03 | .10 | | .11 | | | | | | | | | | .64 | | | 5.39 |
| Emmitsburg | Potomac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fallston | Coast | T. | .06 | .50 | | .64 | .03 | | | .85 | .80 | .45 | 1.06 | T. | T. | .03 | .16 | .17 | .12 | .15 | T. | | T. | | | | | T. | .11 | | | 5.15 |
| Frederick | Potomac | .01 | .01 | * | | * | * | 1.24 | | .91 | .42 | .75 | .47 | .02 | | T. | .65 | .18 | .18 | | | T. | | T. | | | | .02 | .03 | | | 4.89 |
| Frostburg | do | .05 | .15 | .15 | | .63 | | | | .48 | .48 | .88 | .20 | .03 | .12 | .01 | 1.00 | .05 | .25 | .98 | .02 | .10 | | | .40 | | | | .10 | | | 8.08 |
| Great Falls | do | .02 | .37 | .09 | .10 | .30 | .18 | | | | .90 | .27 | .36 | .40 | .09 | | .50 | .02 | .22 | .08 | | | | | | | | | .45 | | | 4.35 |
| Green Spring Furnace | do | | | .92 | | .26 | .09 | | | .50 | .49 | 1.03 | .23 | | | | 1.51 | | .30 | .16 | | | | | | | | | | | | 5.49 |
| Keedysville | do | | .04 | .76 | | .25 | | T. | | .45 | .36 | .42 | .27 | .02 | | | 1.34 | .28 | .17 | .24 | | | | | | | | .07 | | | | 4.67 |
| Lake Montebello | Coast | | .03 | .26 | | .90 | | .12 | | 1.25 | .33 | .36 | 1.47 | T. | | .04 | .10 | .07 | .08 | .16 | | T. | | | | | | .01 | | | | 5.18 |
| La Plata | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laurel | do | | .03 | .45 | | 1.00 | | .35 | | .78 | .45 | .20 | 1.78 | .02 | | | .48 | .17 | .05 | | | | | | | | | .37 | | | | 6.13 |
| Monrovia | Potomac | | .09 | 1.07 | | .61 | .02 | | | .68 | .81 | .40 | .50 | .05 | | | .29 | T. | .32 | | | | | | | | .42 | .05 | | | | 5.31 |
| Pocomoke City | Coast | | | .18 | | .58 | .25 | | | * | .03 | .04 | .67 | .67 | .61 | .25 | .30 | .17 | .10 | | | | | | | | | | | | | 3.85 |
| Porto Bello | do | | | 1.50 | | 1.00 | | | | T. | T. | T. | 1.30 | T. | .80 | T. | | T. | | | | | | | | | | | | | | 4.60 |
| Princess Anne | do | | | .13 | | .85 | .92 | | | .05 | .08 | .95 | .58 | .56 | .75 | 1.15 | | .12 | .03 | | | | | | | | | | | | | 6.17 |
| Rockville | Potomac | | .05 | 50. | | .56 | | .01 | | .65 | .30 | .40 | 1.54 | .04 | .02 | .04 | .37 | .01 | .04 | .02 | | | | | | | | 1.32 | | | | 5.87 |
| Salisbury | Coast | | | .21 | | .82 | .86 | | | .14 | .22 | .11 | .56 | .42 | .48 | .33 | 1.10 | .14 | .04 | | | | | | | | | | | | | 5.43 |
| Sanatorium | Potomac | T. | .13 | .98 | | .80 | T. | .05 | | .12 | 1.17 | .92 | .30 | T. | | | 1.63 | .65 | .02 | | | .03 | | | | | | .23 | | | | 7.03 |
| Solomons | Coast | T. | | .39 | | .53 | .84 | | | .75 | .11 | .61 | .92 | .19 | .32 | .02 | .03 | .02 | .13 | | | | | | | | T. | | | | | 4.86 |
| Sudlersville | do | | .08 | .28 | | .76 | .05 | .42 | | 1.10 | 1.50 | .17 | 1.06 | .05 | .02 | T. | .13 | .29 | .04 | .50 | | | | | | | | .08 | | | | 6.53 |
| Takoma Park‖ | do | T. | | .31 | .09 | .08 | .70 | .06 | | | .95 | .25 | .73 | .41 | .09 | | .76 | .08 | .13 | | | | | | | | | .68 | | | | 5.32 |
| Tarrytown | Potomac | | | 1.12 | | .43 | .13 | | | .80 | .90 | .57 | .48 | | | | 1.33 | .03 | | | | .14 | | | | | | .02 | | | | 5.95 |
| Towson | Coast | | | .39 | | .67 | | | | .69 | 1.16 | .40 | .80 | .30 | | T. | .16 | .10 | .28 | .02 | | .63 | | | | | | .02 | | | | 5.62 |
| Van Bibber | do | | .08 | .42 | | .88 | .03 | | | 1.05 | .62 | .46 | 2.01 | .02 | | | .16 | .43 | .30 | .02 | | | | | | | .05 | .07 | | | | 6.60 |
| Westernport | Potomac | .03 | | | | .38 | | | | .40 | .46 | .48 | .06 | .32 | .41 | .02 | .58 | .02 | 1.49 | | .03 | .24 | | | | .16 | | | | | | 5.08 |
| Woodstock | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Delaware.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delaware City | Coast | | | .18 | | .70 | T. | .37 | | T. | 1.43 | .08 | 1.02 | .08 | | T. | .32 | .60 | .13 | .41 | | | | | | | | .19 | | | | 5.51 |
| Dover | do | T. | | .21 | | 1.07 | | .49 | | 2.71 | T. | .30 | .60 | .04 | T. | .04 | .88 | .11 | .06 | .35 | | | | | | | .18 | | | | | 7.04 |
| Milford | do | | | .33 | | .68 | .54 | .34 | | .34 | 1.19 | .11 | .54 | .27 | .07 | .03 | .50 | .39 | .06 | .33 | | | | | | | | .81 | | | | 6.53 |
| Millsboro | do | | | .25 | | .90 | 1.90 | | | .40 | .15 | .12 | .25 | .37 | .22 | .15 | .70 | .24 | .18 | .24 | | | | | | | | .31 | | | | 6.38 |
| Seaford | do | | | .23 | | 1.11 | .35 | | | .21 | 1.07 | .74 | .81 | .25 | .13 | .15 | .51 | .08 | .06 | .16 | | | | | | | | .50 | | | | 6.36 |
| *District of Columbia.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Washington | Coast | .01 | | .28 | .01 | .55 | .24 | .03 | | .91 | .22 | .41 | .69 | .04 | .01 | .04 | .41 | T. | .10 | | | | | | | | .82 | T. | | | | 4.77 |
| *Virginia.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Culpeper | Rappahannock | | | .12 | | .94 | | | | .84 | .86 | | .96 | .23 | | | .75 | 1.31 | .84 | .70 | | | | | | | | .70 | | | | 8.25 |
| Dale Enterprise | Shenandoah | | .10 | | | .67 | | | | .58 | .70 | .64 | .88 | .45 | .06 | .78 | 4.60 | T. | .02 | .70 | T. | | | | .75 | | .16 | .02 | | | | 11.11 |
| Doswell | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eastville | do | | | .02 | | .38 | .16 | | | .01 | .18 | .10 | 2.52 | 1.41 | .15 | .35 | .03 | .03 | | | | T. | | | .33 | | | .03 | .03 | | | 5.73 |
| Fredericksburg | Rappahannock | T. | | .28 | | .90 | .10 | T. | | .37 | .70 | .30 | 1.80 | .39 | .04 | T. | .31 | | .01 | .11 | | | | | | | | .12 | | | | 5.43 |
| Lincoln | Potomac | | | .62 | | .72 | | | | .88 | | .65 | .35 | .05 | | | .55 | | | .60 | .03 | | | | | | .88 | | | | | 5.53 |
| Mount Weather | do | .05 | T. | .76 | .06 | .63 | | .01 | | .68 | .62 | .35 | .40 | .02 | T. | .07 | 1.06 | .22 | .59 | | | | | | | | .25 | .03 | | | | 4.80 |
| Nokesville | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quantico | do | | | .33 | | 1.13 | | | | .48 | 1.12 | .70 | 1.43 | .33 | .30 | | .70 | | | | | | | | | | | | | | | 6.52 |
| Shenandoah | Shenandoah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staunton | do | | T. | | | .21 | .36 | | | 1.19 | 1.23 | .73 | .30 | .60 | .02 | * | 1.96 | | * | .59 | | | | | .38 | | .08 | .01 | | | | 7.66 |
| Stephens City | Potomac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Warsaw | Rappahannock | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Woodstock | Shenandoah | | | .27 | | .78 | .08 | | | .48 | .39 | .69 | .50 | .13 | .11 | | 2.65 | .17 | .14 | .72 | | | | | .08 | | | .03 | | | | 7.22 |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 1, North Atlantic States.*

| Date. | Maine. | | | | | | | | | | | | Concord, N. H. | | Massachusetts. | | | | | | | | Providence, R. I. | | Connecticut. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastport. | | Greenville. | | Orono. | | Portland. | | Presque Isle. | | Rumford Falls. | | | | Amherst. | | Boston. | | Middleboro. | | Nantucket. | | | | Cream Hill. | | Hartford. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1... | 55 | 47 | 62 | 49 | 65 | 48 | 60 | 49 | 66 | 47 | 62 | 52 | 58 | 44 | 54 | 48 | 62 | 50 | 62 | 48 | 61 | 52 | 62 | 48 | 60 | 40 | 59 | 49 |
| 2... | 60 | 47 | 55 | 45 | 62 | 44 | 65 | 43 | 60 | 45 | 60 | 50 | 63 | 43 | 59 | 44 | 66 | 48 | 64 | 45 | 62 | 52 | 64 | 48 | 58 | 42 | 62 | 49 |
| 3... | 61 | 46 | 63 | 50 | 71 | 47 | 68 | 49 | 60 | 50 | 66 | 38 | 70 | 43 | 73 | 41 | 74 | 52 | 72 | 42 | 69 | 52 | 73 | 51 | 63 | 44 | 68 | 50 |
| 4... | 55 | 44 | 54 | 35 | 71 | 37 | 59 | 41 | 54 | 34 | 60 | 38 | 63 | 40 | 70 | 42 | 57 | 46 | 65 | 45 | 59 | 47 | 66 | 45 | 68 | 37 | 69 | 45 |
| 5... | 53 | 41 | 62 | 33 | 68 | 31 | 54 | 42 | 61 | 28 | 64 | 35 | 64 | 33 | 66 | 35 | 61 | 48 | 68 | 32 | 60 | 46 | 66 | 44 | 59 | 46 | 66 | 42 |
| 6... | 47 | 43 | 51 | 39 | 68 | 42 | 51 | 46 | 56 | 42 | 50 | 45 | 56 | 46 | 66 | 50 | 61 | 50 | 65 | 50 | 61 | 52 | 64 | 51 | 70 | 44 | 66 | 54 |
| 7... | 51 | 44 | 60 | 40 | 62 | 43 | 57 | 44 | 56 | 42 | 64 | 46 | 63 | 46 | 67 | 49 | 55 | 49 | 68 | 47 | 62 | 53 | 67 | 50 | 64 | 40 | 69 | 53 |
| 8... | 61 | 42 | 53 | 46 | 65 | 46 | 66 | 46 | 56 | 41 | 61 | 50 | 67 | 44 | 68 | 45 | 70 | 50 | 68 | 42 | 66 | 52 | 70 | 49 | 66 | 45 | 70 | 49 |
| 9... | 63 | 46 | 70 | 43 | 71 | 43 | 68 | 48 | 66 | 39 | 72 | 44 | 76 | 43 | 73 | 45 | 76 | 56 | 76 | 41 | 68 | 53 | 75 | 53 | 68 | 51 | 76 | 53 |
| 10... | 52 | 46 | 55 | 45 | 67 | 49 | 58 | 50 | 61 | 41 | 58 | 54 | 60 | 51 | 59 | 52 | 61 | 52 | 65 | 51 | 58 | 50 | 58 | 52 | 58 | 48 | 58 | 52 |
| 11... | 55 | 48 | 57 | 49 | 60 | 50 | 53 | 50 | 70 | 48 | 58 | 54 | 54 | 50 | 55 | 51 | 53 | 51 | 52 | 50 | 55 | 50 | 53 | 51 | 52 | 48 | 55 | 52 |
| 12... | 49 | 48 | 53 | 50 | 60 | 51 | 51 | 48 | 60 | 50 | 56 | 54 | 56 | 50 | 58 | 51 | 57 | 50 | 63 | 50 | 64 | 53 | 59 | 50 | 55 | 49 | 59 | 51 |
| 13... | 72 | 49 | 75 | 51 | 74 | 51 | 77 | 51 | 71 | 51 | 76 | 53 | 78 | 54 | 76 | 52 | 75 | 57 | 75 | 53 | 67 | 55 | 74 | 57 | 67 | 50 | 74 | 58 |
| 14... | 80 | 58 | 73 | 55 | 81 | 56 | 85 | 60 | 69 | 36 | 81 | 61 | 83 | 61 | 86 | 55 | 87 | 65 | 85 | 55 | 76 | 57 | 86 | 65 | 83 | 54 | 86 | 60 |
| 15... | 68 | 50 | 70 | 51 | 81 | 51 | 70 | 56 | 75 | 43 | 74 | 60 | 84 | 55 | 88 | 59 | 83 | 60 | 87 | 56 | 70 | 58 | 83 | 65 | 85 | 62 | 85 | 64 |
| 16... | 58 | 49 | 72 | 50 | 77 | 53 | 63 | 52 | 70 | 45 | 76 | 56 | 72 | 51 | 69 | 60 | 62 | 56 | 72 | 58 | 65 | 58 | 67 | 60 | 74 | 60 | 68 | 64 |
| 17... | 52 | 48 | 60 | 52 | 74 | 53 | 57 | 53 | 61 | 48 | 63 | 59 | 65 | 57 | 78 | 60 | 63 | 56 | 68 | 59 | 65 | 59 | 65 | 57 | 78 | 58 | 74 | 62 |
| 18... | 58 | 48 | 71 | 54 | 66 | 54 | 69 | 55 | 63 | 51 | 71 | 58 | 76 | 58 | 78 | 61 | 79 | 61 | 80 | 58 | 66 | 58 | 80 | 61 | 74 | 60 | 82 | 63 |
| 19... | 68 | 48 | 69 | 57 | 75 | 56 | 74 | 57 | 68 | 50 | 78 | 56 | 82 | 56 | 86 | 58 | 75 | 62 | 79 | 56 | 71 | 57 | 83 | 59 | 81 | 58 | 86 | 62 |
| 20... | 77 | 48 | 79 | 47 | 85 | 48 | 84 | 58 | 74 | 46 | 84 | 48 | 87 | 53 | 86 | 56 | 86 | 62 | 84 | 54 | 74 | 57 | 85 | 62 | 85 | 57 | 86 | 64 |
| 21... | 73 | 51 | 78 | 53 | 86 | 54 | 86 | 62 | 77 | 45 | 86 | 56 | 89 | 60 | 88 | 61 | 92 | 69 | 87 | 57 | 70 | 59 | 91 | 66 | 87 | 59 | 90 | 67 |
| 22... | 70 | 54 | 80 | 59 | 87 | 55 | 89 | 62 | 80 | 51 | 86 | 59 | 89 | 59 | 87 | 59 | 88 | 71 | 86 | 56 | 82 | 61 | 87 | 66 | 87 | 61 | 89 | 64 |
| 23... | 70 | 53 | 66 | 58 | 86 | 65 | 79 | 61 | 76 | 50 | 74 | 56 | 82 | 58 | 84 | 62 | 85 | 67 | 85 | 69 | 80 | 59 | 85 | 64 | 88 | 63 | 86 | 66 |
| 24... | 62 | 49 | 62 | 51 | 73 | 48 | 73 | 56 | 74 | 50 | 70 | 50 | 74 | 50 | 76 | 54 | 72 | 61 | 78 | 49 | 70 | 57 | 78 | 57 | 77 | 54 | 80 | 58 |
| 25... | 73 | 49 | 71 | 46 | 77 | 43 | 72 | 54 | 80 | 51 | 74 | 46 | 76 | 55 | 79 | 57 | 71 | 59 | 72 | 49 | 65 | 54 | 74 | 57 | 78 | 50 | 75 | 57 |
| 26... | 64 | 48 | 76 | 49 | 79 | 47 | 76 | 56 | 73 | 46 | 82 | 52 | 83 | 50 | 81 | 54 | 82 | 59 | 78 | 48 | 70 | 54 | 79 | 58 | 80 | 52 | 79 | 56 |
| 27... | 67 | 48 | 79 | 59 | 82 | 60 | 77 | 64 | 84 | 60 | 80 | 64 | 82 | 62 | 79 | 59 | 81 | 64 | 74 | 57 | 67 | 58 | 77 | 62 | 80 | 58 | 77 | 59 |
| 28... | 70 | 51 | 70 | 60 | 81 | 61 | 80 | 61 | 74 | 58 | 76 | 65 | 81 | 62 | 81 | 60 | 84 | 66 | 80 | 62 | 69 | 61 | 82 | 65 | 78 | 56 | 82 | 66 |
| 29... | 72 | 57 | 68 | 52 | 78 | 55 | 76 | 60 | 69 | 55 | 74 | 58 | 76 | 57 | 80 | 52 | 80 | 64 | 78 | 55 | 73 | 60 | 80 | 62 | 81 | 58 | 82 | 61 |
| 30... | 67 | 55 | 70 | 51 | 77 | 50 | 80 | 60 | 70 | 53 | 76 | 52 | 82 | 50 | 84 | 52 | 87 | 63 | 84 | 47 | 79 | 60 | 85 | 59 | 84 | 62 | 85 | 61 |
| 31... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mns | 62.8 | 48.5 | 66.1 | 49.3 | 73.6 | 49.7 | 69.2 | 53.2 | 67.8 | 46.5 | 70.4 | 52.3 | 73.0 | 51.4 | 74.5 | 52.8 | 72.8 | 57.5 | 74.0 | 51.4 | 67.5 | 55.1 | 73.9 | 56.4 | 72.9 | 52.2 | 74.8 | 57.0 |

| Date. | New Haven, Conn. | | New York. | | | | | | | | | | | | Pennsylvania. | | | | | | | | | | Asbury Park, N. J. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Addison. | | Albany. | | Binghamton. | | Cooperstown. | | Indian Lake. | | New York. | | Clearfield. | | Everett. | | Harrisburg. | | Philadelphia. | | Scranton. | | Wellsboro. | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1... | 61 | 49 | 57 | 44 | 53 | 48 | 56 | 43 | 52 | 44 | 51 | 30 | 61 | 48 | ..... | ..... | 53 | 41 | 58 | 45 | 59 | 48 | 58 | 44 | 55 | 41 | 61 | 46 |
| 2... | 61 | 49 | 65 | 43 | 62 | 49 | 59 | 45 | 56 | 45 | 53 | 41 | 61 | 51 | ..... | ..... | 69 | 46 | 68 | 49 | 69 | 52 | 61 | 47 | 65 | 44 | 64 | 50 |
| ... | 69 | 52 | 62 | 47 | 71 | 50 | 63 | 44 | 58 | 35 | 52 | 33 | 66 | 57 | ..... | ..... | 67 | 43 | 66 | 49 | 64 | 56 | 64 | 46 | 60 | 47 | 63 | 54 |
| 4... | 67 | 47 | 66 | 34 | 62 | 42 | 61 | 36 | 56 | 36 | 60 | 30 | 69 | 50 | ..... | ..... | 69 | 43 | 68 | 50 | 70 | 50 | 64 | 40 | 65 | 32 | 60 | 50 |
| 5... | 62 | 43 | 61 | 37 | 65 | 42 | 58 | 40 | 51 | 36 | 60 | 26 | 62 | 52 | ..... | ..... | 67 | 50 | 57 | 52 | 64 | 53 | 57 | 44 | 55 | 38 | 59 | 48 |
| 6... | 74 | 54 | 75 | 44 | 70 | 52 | 72 | 52 | 63 | 48 | 65 | 40 | 75 | 57 | ..... | ..... | 74 | 60 | 77 | 53 | 77 | 64 | 74 | 54 | 75 | 45 | 70 | 56 |
| 7... | 70 | 54 | 67 | 48 | 64 | 52 | 58 | 50 | 56 | 48 | 62 | 40 | 69 | 55 | ..... | ..... | 72 | 50 | 66 | 56 | 68 | 60 | 60 | 49 | 66 | 47 | 69 | 57 |
| 8... | 74 | 50 | 76 | 38 | 71 | 52 | 69 | 45 | 64 | 43 | 64 | 43 | 75 | 52 | ..... | ..... | 73 | 40 | 76 | 52 | 77 | 55 | 72 | 48 | 74 | 36 | 74 | 50 |
| 9... | 75 | 51 | 78 | 43 | 75 | 48 | 74 | 46 | 70 | 50 | 67 | 35 | 75 | 57 | ..... | ..... | 71 | 42 | 70 | 52 | 75 | 56 | 75 | 50 | 74 | 42 | 68 | 55 |
| 10... | 60 | 53 | 66 | 50 | 63 | 54 | 59 | 48 | 57 | 51 | 68 | 43 | 61 | 55 | ..... | ..... | 59 | 51 | 62 | 52 | 60 | 55 | 60 | 51 | 63 | 46 | 60 | 54 |
| 11... | 57 | 53 | 66 | 52 | 61 | 54 | 61 | 52 | 58 | 51 | 62 | 47 | 58 | 54 | ..... | ..... | 61 | 52 | 60 | 53 | 60 | 54 | 60 | 52 | 61 | 51 | 57 | 54 |
| 12... | 61 | 52 | 71 | 59 | 62 | 54 | 66 | 55 | 66 | 50 | 62 | 50 | 63 | 55 | ..... | ..... | 68 | 49 | 66 | 56 | 68 | 56 | 66 | 56 | 69 | 58 | 62 | 55 |
| 13... | 74 | 59 | 80 | 45 | 79 | 54 | 74 | 51 | 73 | 52 | 76 | 55 | 72 | 59 | ..... | ..... | 70 | 57 | 72 | 57 | 71 | 63 | 75 | 55 | 78 | 43 | 70 | 59 |
| 14... | 85 | 59 | 87 | 47 | 82 | 58 | 82 | 54 | 79 | 56 | 80 | 50 | 82 | 60 | ..... | ..... | 76 | 52 | 77 | 57 | 78 | 61 | 82 | 57 | 80 | 55 | 81 | 60 |
| 15... | 83 | 64 | 93 | 54 | 85 | 63 | 85 | 58 | 77 | 56 | 85 | 47 | 78 | 63 | ..... | ..... | 78 | 54 | 80 | 60 | 75 | 63 | 84 | 60 | 84 | 54 | 78 | 61 |
| 16... | 69 | 63 | 70 | 56 | 72 | 61 | 69 | 60 | 68 | 57 | 72 | 46 | 69 | 62 | ..... | ..... | 75 | 60 | 78 | 62 | 77 | 65 | 73 | 64 | 76 | 46 | 63 | 58 |
| 17... | 72 | 62 | 84 | 60 | 78 | 62 | 78 | 60 | 75 | 58 | 75 | 57 | 72 | 62 | ..... | ..... | 81 | 60 | 83 | 62 | 79 | 64 | 78 | 59 | 83 | 59 | 66 | 58 |
| 18... | 78 | 61 | 86 | 58 | 77 | 63 | 77 | 61 | 70 | 59 | 73 | 52 | 82 | 60 | ..... | ..... | 79 | 60 | 83 | 64 | 85 | 65 | 80 | 62 | 85 | 59 | 84 | 60 |
| 19... | 84 | 64 | 87 | 58 | 85 | 62 | 81 | 58 | 79 | 54 | 80 | 51 | 87 | 64 | ..... | ..... | 84 | 59 | 87 | 65 | 86 | 66 | 82 | 62 | 86 | 56 | 79 | 62 |
| 20... | 84 | 65 | 91 | 58 | 88 | 60 | 85 | 55 | 80 | 57 | 85 | 43 | 84 | 69 | ..... | ..... | 86 | 60 | 89 | 63 | 88 | 71 | 88 | 60 | 89 | 55 | 78 | 66 |
| 21... | 90 | 67 | 90 | 57 | 89 | 65 | 84 | 61 | 82 | 62 | 86 | 46 | 90 | 70 | ..... | ..... | 88 | 64 | 91 | 68 | 92 | 71 | 87 | 66 | 89 | 56 | 76 | 65 |
| 22... | 90 | 68 | 93 | 56 | 91 | 63 | 87 | 57 | 84 | 63 | 87 | 49 | 88 | 71 | ..... | ..... | 88 | 57 | 91 | 69 | 91 | 75 | 90 | 61 | 91 | 57 | 82 | 67 |
| 23... | 90 | 72 | 90 | 56 | 87 | 65 | 84 | 61 | 78 | 52 | 86 | 63 | 91 | 72 | ..... | ..... | 90 | 63 | 93 | 69 | 95 | 75 | 88 | 64 | 89 | 56 | 92 | 72 |
| 24... | 80 | 59 | 82 | 56 | 78 | 60 | 75 | 54 | 72 | 50 | 77 | 41 | 84 | 68 | ..... | ..... | 82 | 60 | 83 | 67 | 84 | 69 | 76 | 58 | 77 | 56 | 89 | 66 |
| 25... | 72 | 56 | 87 | 47 | 78 | 58 | 78 | 51 | 72 | 51 | 76 | 40 | 75 | 62 | ..... | ..... | 80 | 50 | 82 | 61 | 78 | 65 | 79 | 56 | 80 | 45 | 70 | 59 |
| 26... | 78 | 57 | 86 | 50 | 82 | 58 | 81 | 57 | 79 | 50 | 83 | 41 | 76 | 60 | ..... | ..... | 80 | 54 | 80 | 60 | 78 | 63 | 80 | 57 | 84 | 48 | 70 | 56 |
| 27... | 75 | 60 | 90 | 63 | 76 | 63 | 82 | 63 | 74 | 61 | 77 | 56 | 80 | 63 | ..... | ..... | 81 | 55 | 82 | 61 | 81 | 64 | 83 | 64 | 85 | 62 | 70 | 60 |
| 28... | 82 | 66 | 85 | 62 | 83 | 67 | 78 | 61 | 74 | 52 | 76 | 58 | 81 | 67 | ..... | ..... | 79 | 63 | 81 | 64 | 82 | 68 | 79 | 64 | 83 | 60 | 80 | 60 |
| 29... | 83 | 64 | 90 | 55 | 83 | 59 | 81 | 54 | 75 | 53 | 77 | 45 | 85 | 68 | ..... | ..... | 85 | 57 | 86 | 65 | 86 | 71 | 82 | 60 | 87 | 50 | 85 | 65 |
| 30... | 87 | 62 | 88 | 57 | 87 | 60 | 83 | 56 | 78 | 57 | 80 | 49 | 90 | 72 | ..... | ..... | 87 | 59 | 88 | 70 | 90 | 73 | 85 | 59 | 87 | 53 | 84 | 68 |
| 31... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mns | 74.9 | 57.8 | 79.C | 51.1 | 75.3 | 56.6 | 73.3 | 52.9 | 69.2 | 51.2 | 71.9 | 44.9 | 75.4 | 60.5 | ..... | ..... | 75.7 | 53.7 | 76.7 | 58.8 | 76.9 | 62.4 | 74.7 | 55.6 | 76.5 | 49.9 | 72.1 | 58.4 |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 1*—Continued.

| Date. | New Jersey. | | | | | | | | Martinsburg, W. Va. | | Maryland. | | | | | | | | Washington, D. C. | | Milleboro, Del. | | Virginia. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Atlantic City. | | Hightstown. | | Newton. | | Phillipsburg. | | | | Baltimore. | | Darlington. | | Frederick. | | Westernport. | | | | | | Culpeper. | | Fredericksburg. | | Staunton. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 60 | 50 | 63 | 45 | 57 | 42 | 60 | 45 | 61 | 45 | 60 | 48 | 57 | 43 | 62 | 45 | 53 | 42 | 62 | 46 | 77 | 50 | 66 | 48 | 66 | 47 | 63 | 46 |
| 2 | 70 | 51 | 67 | 47 | 64 | 46 | 65 | 49 | 77 | 47 | 76 | 54 | 73 | 48 | 77 | 51 | 74 | 48 | 76 | 53 | 68 | 50 | 79 | 51 | 78 | 53 | 74 | 46 |
| 3 | 63 | 56 | 60 | 50 | 69 | 45 | 64 | 51 | 65 | 47 | 62 | 51 | 61 | 47 | 68 | 47 | 66 | 45 | 61 | 45 | 66 | 50 | 69 | 44 | 68 | 45 | 65 | 48 |
| 4 | 59 | 50 | 71 | 44 | 72 | 39 | 73 | 45 | 75 | 47 | 67 | 52 | 70 | 47 | 72 | 46 | 75 | 44 | 72 | 48 | 69 | 48 | 74 | 51 | 73 | 49 | 76 | 42 |
| 5 | 59 | 56 | 64 | 43 | 57 | 39 | 59 | 45 | 66 | 51 | 65 | 56 | 64 | 51 | 70 | 54 | 68 | 55 | 66 | 56 | 65 | 54 | 66 | 53 | 72 | 54 | 65 | 55 |
| 6 | 72 | 59 | 79 | 55 | 77 | 48 | 78 | 55 | 81 | 54 | 80 | 62 | 77 | 58 | 80 | 61 | 78 | 41 | 81 | 65 | 80 | 61 | 81 | 63 | 82 | 64 | 80 | 57 |
| 7 | 71 | 54 | 72 | 57 | 70 | 50 | 66 | 51 | 71 | 57 | 69 | 60 | 67 | 59 | 70 | 59 | 72 | 52 | 69 | 56 | 75 | 56 | 72 | 60 | 74 | 59 | 72 | 58 |
| 8 | 74 | 49 | 79 | 44 | 76 | 43 | 78 | 48 | 81 | 46 | 78 | 54 | 78 | 49 | 77 | 47 | 77 | 40 | 77 | 52 | 77 | 46 | 77 | 46 | 76 | 47 | 74 | 44 |
| 9 | 65 | 57 | 77 | 50 | 75 | 46 | 77 | 49 | 70 | 47 | 69 | 54 | 69 | 52 | 68 | 49 | 75 | 42 | 65 | 51 | 69 | 51 | 67 | 48 | 70 | 50 | 67 | 46 |
| 10 | 64 | 55 | 63 | 53 | 63 | 49 | 59 | 51 | 63 | 52 | 62 | 55 | 60 | 51 | 64 | 52 | 63 | 50 | 62 | 55 | 67 | 56 | 60 | 52 | 62 | 54 | 55 | 53 |
| 11 | 66 | 55 | 59 | 53 | 58 | 50 | 58 | 52 | 68 | 52 | 69 | 55 | 65 | 52 | 66 | 54 | 63 | 54 | 76 | 57 | 84 | 56 | 72 | 54 | 80 | 56 | 73 | 53 |
| 12 | 67 | 60 | 68 | 55 | 65 | 52 | 66 | 55 | 69 | 56 | 72 | 61 | 69 | 57 | 69 | 61 | 70 | 58 | 73 | 62 | 82 | 55 | 71 | 62 | 76 | 64 | 69 | 54 |
| 13 | 68 | 62 | 74 | 58 | 74 | 52 | 76 | 55 | 68 | 58 | 71 | 63 | 70 | 57 | 72 | 60 | 66 | 51 | 68 | 61 | 66 | 62 | 64 | 60 | 69 | 61 | 59 | 56 |
| 14 | 71 | 61 | 84 | 54 | 82 | 53 | 85 | 55 | 77 | 58 | 75 | 62 | 76 | 57 | 77 | 58 | 75 | 55 | 77 | 61 | 70 | 59 | 73 | 61 | 71 | 60 | 70 | 56 |
| 15 | 67 | 60 | 79 | 59 | 86 | 57 | 86 | 60 | 82 | 61 | 74 | 64 | 74 | 59 | 79 | 61 | 77 | 48 | 78 | 64 | 70 | 64 | 77 | 61 | 74 | 61 | 71 | 59 |
| 16 | 66 | 61 | 79 | 56 | 74 | 62 | 77 | 64 | 73 | 62 | 76 | 66 | 76 | 59 | 78 | 65 | 74 | 60 | 78 | 63 | 80 | 62 | 78 | 64 | 79 | 64 | 63 | 59 |
| 17 | 72 | 62 | 78 | 62 | 79 | 61 | 82 | 62 | 85 | 63 | 82 | 64 | 81 | 59 | 83 | 61 | 85 | 61 | 82 | 62 | 84 | 63 | 84 | 62 | 84 | 62 | 85 | 54 |
| 18 | 85 | 61 | 86 | 63 | 85 | 59 | 85 | 62 | 85 | 63 | 85 | 68 | 85 | 59 | 84 | 64 | 78 | 60 | 85 | 66 | 85 | 62 | 80 | 64 | 81 | 63 | 85 | 62 |
| 19 | 77 | 61 | 87 | 57 | 87 | 56 | 88 | 59 | 89 | 63 | 87 | 70 | 86 | 61 | 86 | 66 | 86 | 62 | 86 | 68 | 85 | 62 | 83 | 63 | 85 | 62 | 88 | 60 |
| 20 | 83 | 68 | 91 | 60 | 88 | 56 | 91 | 61 | 92 | 66 | 89 | 70 | 85 | 61 | 88 | 65 | 93 | 65 | 89 | 67 | 88 | 62 | 92 | 66 | 92 | 65 | 89 | 60 |
| 21 | 77 | 67 | 92 | 64 | 92 | 67 | 93 | 66 | 92 | 68 | 94 | 78 | 88 | 66 | 90 | 69 | 86 | 61 | 94 | 68 | 95 | 58 | 92 | 65 | 92 | 65 | 88 | 62 |
| 22 | 87 | 68 | 93 | 63 | 89 | 57 | 92 | 64 | 93 | 65 | 88 | 72 | 86 | 66 | 91 | 66 | 90 | 59 | 93 | 69 | 93 | 66 | 93 | 64 | 92 | 65 | 90 | 62 |
| 23 | 87 | 69 | 93 | 68 | 91 | 67 | 93 | 68 | 95 | 67 | 95 | 75 | 93 | 68 | 92 | 69 | 92 | 63 | 93 | 71 | 93 | 71 | 94 | 66 | 93 | 66 | 90 | 64 |
| 24 | 73 | 64 | 82 | 65 | 85 | 58 | 85 | 63 | 87 | 67 | 86 | 70 | 86 | 70 | 85 | 69 | 82 | 62 | 85 | 67 | 80 | 67 | 87 | 69 | 88 | 70 | 89 | 64 |
| 25 | 71 | 61 | 80 | 53 | 79 | 55 | 83 | 57 | 88 | 61 | 81 | 64 | 81 | 60 | 83 | 57 | 83 | 54 | 84 | 59 | 80 | 56 | 84 | 61 | 82 | 60 | 80 | 61 |
| 26 | 71 | 62 | 83 | 52 | 78 | 51 | 83 | 57 | 90 | 61 | 79 | 65 | 78 | 60 | 82 | 60 | 85 | 58 | 80 | 64 | 78 | 57 | 83 | 61 | 80 | 58 | 80 | 58 |
| 27 | 71 | 64 | 83 | 58 | 79 | 55 | 83 | 59 | 85 | 63 | 83 | 65 | 78 | 60 | 85 | 60 | 82 | 62 | 86 | 64 | 86 | 56 | 88 | 60 | 87 | 60 | 80 | 64 |
| 28 | 81 | 65 | 83 | 64 | 82 | 62 | 84 | 65 | 92 | 65 | 85 | 70 | 81 | 65 | 83 | 69 | 83 | 66 | 83 | 68 | 87 | 67 | 85 | 65 | 86 | 66 | 80 | 64 |
| 29 | 86 | 67 | 86 | 59 | 86 | 55 | 88 | 60 | ..... | 65 | 90 | 72 | 86 | 63 | 90 | 66 | 90 | 58 | 88 | 68 | 88 | 69 | 88 | 67 | 89 | 67 | 87 | 61 |
| 30 | 80 | 70 | 91 | 63 | 89 | 58 | 90 | 62 | 95 | ..... | 92 | 72 | 90 | 63 | 91 | 65 | 89 | 58 | 90 | 68 | 91 | 66 | 91 | 65 | 92 | 65 | 92 | 60 |
| 31 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mns | 71.9 | 60.2 | 78.2 | 55.8 | 76.9 | 53.0 | 78.2 | 56.5 | 79.8a | 57.8a | 78.0 | 62.9 | 76.3 | 57.6 | 78.7 | 59.2 | 77.7 | 54.5 | 78.6 | 60.8 | 79.3 | 58.7 | 79.0 | 59.2 | 79.7 | 59.4 | 76.6 | 56.3 |

# Climatological Data for June, 1910.

## DISTRICT No. 2, SOUTH ATLANTIC AND EAST GULF STATES.

CHARLES F. VON HERRMANN, District Editor.

### GENERAL SUMMARY.

On account of the general deficiency in temperature and the excessive rainfall during June, 1910, the month, as a rule, was unfavorable for agricultural operations and for the rapid growth of vegetation, but the moderate summer temperatures were conducive to personal comfort. The deficiency in monthly mean temperature averaged about 2.5° in all the States included in the district, except in Florida, where the deficiency was a degree less. With the exception of the first 2 days in the month, when unusually low minimum temperatures occurred in the northern portion, the deficiency in temperatures resulted from low maximum temperatures consequent on the unusual cloudiness and frequency of showers. The highest temperature for the month at Atlanta was 89° and a lower maximum than this was registered in June but once before in a period of 32 years.

Some of the facts stated for the preceding month might be repeated almost verbatim for June, that is to say, in several States it was the coldest June on record for many years. In Florida it was the coldest June since 1892; in Georgia and Mississippi colder Junes occurred only twice before in a period of over 20 years. The records at individual stations again emphasize the fact. One instance will suffice: At Mobile during the past 40 years only June, 1889 and 1903, were colder than the current month. In Virginia, North Carolina, and northern Georgia the minimum temperatures on the 2d mark one of the coldest June days in the climatic history of these States.

The rainfall for June was much above the normal in all States, the average excess being over 2.50 inches. Although the precipitation was probably controlled by the ill-defined pressure distribution characteristic of summer, it was entirely convectional in character. The most noteworthy fact concerning the arrangement of pressure was the poor development of the North Atlantic permanent area of high pressure; consequently at no time was the barometer high on the south Atlantic coast and the conditions were at no time favorable for long periods of fair, warm weather. The most protracted period of rainy weather was associated with a moderate barometric depression that moved from northern Texas, where it was central on the 9th, to eastern Tennessee on the 10th. The next day this disturbance extended as an oblong depression from Knoxville, Tenn., to Pittsburg, Pa., and a secondary storm area had formed near the mouth of the Mississippi River. Subsequently all signs of low pressure disappeared, and the barometer rose considerably in the Mississippi Valley, nevertheless showers and heavy rains continued in the district for 5 days longer, or until the 16th. The lowest atmospheric pressure for the month generally occurred in the northern portion of the district on the 1st and in the Gulf States on the 2d; the lowest was 29.60 inches at Richmond and Lynchburg, Va. The maximum pressure was 30.25 inches at Richmond on the 26th. Thunderstorms were frequent during June and several severe local storms occurred.

### TEMPERATURE.

The temperature during June was below normal in all portions of the district, except over a very small area on the west coast of Florida, where there was a slight excess. The State average was 1° below normal in Florida, and in other States the deficiencies varied from 2.3° in Alabama to 2.8° in the Mississippi area and in Virginia, and were accordingly very uniform. The smallest deficiencies occurred along the immediate Gulf and Atlantic coasts and the greatest in the interior along the northern border of this section. The maximum deficiency at a regular Weather Bureau station was 4.8° at Richmond, and deficiencies of slightly over 4° also occurred at a few cooperative stations in northern portions of Mississippi Alabama, and Georgia. The mean temperature of the entire district, determined from the records for 370 stations, was 75°.

June 1 and 2 were the coldest days of the month, and the minimum temperatures recorded in Virginia, North Carolina, and northern Georgia have rarely before been equalled in any summer month. Near the Gulf coast these cool days were immediately succeeded by very warm weather with the highest temperatures for the month on the 3d to 5th at several places in Georgia and Florida. During the long period of showery weather from the 5th or 6th to the 16th the temperature remained below normal. During the last decade several short periods of fair weather with clear skies brought higher temperatures, and conditions became more favorable for agricultural operations. The highest temperature for the month occurred generally on the 18th or 19th in Alabama, Mississippi, and South Carolina, and ranged from 97° in Mississippi to 105° in Georgia. As a rule the consecutive number of days with the temperature above 90° was much less than usually occurs in June.

The State averages ranged from 70° in the Virginia area to 78° in Florida. The highest monthly means at individual stations varied from 72.8° at Hampton, Va., to 81.9° at Key West, Fla.; and the lowest means ranged from 63.0° at Hot Springs, Va., to 74.0° at Fenholloway, Fla. Monthly mean temperatures below 70° occurred only in northern Georgia, in North Carolina, and in Virginia. Except in southern Georgia the extremes recorded were well within the limit of previous years. The highest temperature for the district was 105° at Blakely, Ga., a record exceeded only once before in June. On the other hand in other States the maximum temperatures were more moderate. In Mississippi, for example, the maximum reached 95° at only about half the stations, and the extreme, 97°, was 2° lower than the previous lowest recorded maximum temperature for June. In Florida, although there were oppressive days due to high relative humidity, the extremes were not such as to cause unusual physical discomfort for many successive days. The lowest temperature for the district was 35° on the 2d at Hot Springs and Mount Airy; in northern Georgia 39° was registered on the same day at Diamond. These are exceptionally low temperatures for June. Light frosts occurred at a few points in western North Carolina.

### PRECIPITATION.

June was an extremely wet month. The average precipitation ranged from 6.39 inches for the Virginia area to 9.98 inches in Florida; the average for the district was 7.80 inches, or 2.50 inches above the normal. In Florida the rainy season begins in June and during this month some sections receive the heaviest precipitation for the year. The region of maximum rainfall is found in central-western Florida and the adjoining portions of Georgia, where the monthly total rainfall ranged from 10 inches to over 22 inches. The largest individual amount was 22.35 inches at Live Oak, Fla., followed by 15.76 inches at Quitman, Ga. Other more restricted areas of heavy precipitation are found in eastern North Carolina, in southern Alabama, and in southeastern Mississippi. The total at Newbern, N. C., was 16.33 inches, and in most other States the amounts exceed 10 inches at a few widely separated points. The regions of least precipitation are found in extreme southern Florida and on the coast of North Carolina. Key West with 1.06 inch and Hatteras with 2.95 inches were the only stations receiving less than

3 inches. As a rule, therefore, the rainfall was fairly well distributed; the total amounts exceeded 8 inches at 128 stations out of a total of 344 reporting, and exceeded 10 inches at 43 stations. Rains exceeding 2.50 inches in 24 hours fell at 2 stations in Virginia, at 9 in North Carolina, at 2 in South Carolina, at 21 points in Florida, 11 in Alabama, and at 7 in the Mississippi area. A few exceptional heavy downpours were reported: Lassiter, Va., 1.56 inch in 1 hour on the 21st; Newberry, S. C., 2.40 inches in 2 hours and 45 minutes on the 29th; Quitman, Ga., 4.02 inches on the 13th and in addition 3.05 inches on the 14th; at Hilliard, Fla., 4.50 inches fell in less than 1 hour on the 22d.

The number of days with 0.01 inch or more of rain was unusually large, averaging 13 for the district, the normal number being about 9. Although the rainfall was so largely convectional and therefore presumably local in character it is remarkable that for many successive days rain fell in some States at every station in the State, as, for example, in Georgia from the 10th to the 16th. In general very brief periods of fair weather occurred during the first decade up to the 4th from which date showers occurred on almost every day till the 15th or 16th. In Alabama and Mississippi the 16th, 17th, and 18th were fair; in Georgia and Florida the 17th, 18th, and 19th; in the northern States the 26th and 27th. After the 16th showers were more unevenly distributed.

The following statistical data selected from the tables are of interest: Maximum total monthly rainfall for the district 22.35 inches at Live Oak, Fla. Least monthly total, 1.06 inch at Key West, where severe drought has prevailed since November, 1909. The greatest amount in 24 hours was 5.92 inches at St. Andrews, Fla., on June 30; greatest amount in 1 hour, 4.50 inches, at Hilliard, Fla., on the 22d. Hail was reported at comparatively few stations during the month, but thunderstorms, generally moderate in character, were numerous everywhere. The number of days with rain varied from 5 at Key West to 22 at Avon Park, Fla. The longest period of wet weather occurred at Norfolk and Newport News, Va., where rain fell on 15 consecutive days from the 5th to the 19th.

### RIVER CONDITIONS.

The summer rainfall is copious in the Southern States yet floods during this season of the year are rare. Although the rainfall for June was quite heavy, the rivers in the Mississippi area, in Alabama, and in Georgia did not attain flood stages at any point, but merely maintained their normal volume of flow. The absence of a rapid run-off must be attributed largely to the great capacity of cultivated soil for storing water, and it is doubtful, other conditions being equal, whether a covering of forest would be equally effective. Moderate floods, however, occurred in the rivers of eastern Virginia, North Carolina, and South Carolina, which were accurately forecast by the Weather Bureau officials in charge of the respective river districts. The following are extracts from facts reported in this connection:

*James River, Va.*—The James River rose steadily at Richmond and passed the flood stage (10 feet) on the morning of the 16th; on the morning of the 18th a stage of 14.1 feet was attained. At all points from Scottsville, which is 25 miles east of Lynchburg, down to Columbia the river was out of its banks and adjacent lowlands were flooded with considerable unavoidable damage to crops. Along the river bank at Richmond the water covered the lower docks and warehouses of the Old Dominion and Clyde Line steamers, and the dock and plant of the Southern Railway. The track of the Virginia Railway and Power Company (street railway system) was under water for a distance of about 200 feet at a low point on Lester street, near the steamboat docks, from the 15th to the 17th, and passengers were transferred by rowboats.—*Edward A. Evans, Section Director.*

The rivers of eastern North Carolina experienced moderate floods after the middle of the month. The Roanoke River remained at low stages until the 14th, followed by a rapid rise to 33.4 feet on the 17th (flood stage 30 feet). The Tar River began to rise on the 6th, and rose steadily for nearly 2 weeks, reaching 26 feet at Tarboro on the 18th (flood stage 25 feet) and 18.5 feet at Greenville on the 19th. At Fayetteville the Cape Fear River rose on the 14th from 6 feet to 15 feet, and reached 38 feet by the 18th. At Weldon contractors, building a bridge for the Atlantic Coast Line Railroad, moved and saved bridge material on receipt of special warnings from the Raleigh office. Goods at Fayetteville were saved by being moved to upper wharves. Reports of property and stock saved by the warnings will exceed $50,000. Damage to crops was heavy, mostly in the Tar River lowlands, where the loss is estimated to have been at least $200,000.—*Lee A. Denson, Section Director.*

The warnings for floods in the Wateree River in South Carolina were justified by a stage of 27.4 feet at Camden, S. C., on June 15 (flood stage 24 feet). The money value of property saved by warnings issued is estimated to have been $26,000.

*Great Pedee River.*—Warnings were issued on the morning of the 14th. By the 15th the Pedee at Cheraw, S. C., had risen to 28.4 feet, or 1.4 foot above flood stage; flood stages were maintained on the 16th and 17th with a maximum of 31.8 feet. Warnings enabled farmers to save stock by driving them to highlands. At Effingham on Lynch River flood stages were maintained from 16th to the 22d, but notwithstanding flood stages at both Cheraw and Effingham their aggregate was not sufficient to cause flood stages at Smith Mills on the lower course of the Pedee.—*R. Q. Grant, Local Forecaster.*

### MISCELLANEOUS PHENOMENA.

The average number of clear, partly cloudy, and cloudy days for the district was nearly equally 10 each, nevertheless there was much less than the average amount of sunshine. The prevailing wind direction was southwest, except in Florida and Alabama where it was south. High wind velocities occurred at but few stations: Norfolk, Va., reported 48 miles from the southwest on the 21st; Augusta, Ga., 62 miles west on the 2d; and Jacksonville, Fla., 46 miles south on the 11th. Several rather severe local electric storms occurred in North Carolina and South Carolina, during which a number of houses were struck by lightning and several persons were injured. A severe hailstorm occurred in the section of Wake County, N. C., about 15 miles south of Raleigh, N. C., on June 20. Cotton, fruit, and other crops were destroyed over a limited area and hail covered the ground in places to depths of 2 or 3 inches. Similar storms occurred at Rocky Mount, near Fayetteville and near Lumberton, N. C., on June 11. On June 24 a severe thunderstorm with heavy rain occurred near Charlotte; 2 houses were struck by lightning and water was blown into the spinning room of the Chadwick–Hiskin Cotton Mills, considerably damaging the machinery. On the same date, a farmer while working in an open field near Greer, S. C., was struck by lightning and killed.

TABLE 1.—*Climatological data for June, 1910. District No. 2, South Atlantic and east Gulf States.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Virginia.* | | | | | | | | | | | | | | | | | | | |
| Arvonia | Buckingham | 350 | 6 | 69.3 | − 3.1 | 94 | 23 | 44 | 4† | 32 | 5.38 | + 1.92 | 1.65 | 0.0 | 13 | 7 | 16 | 7 | sw. | Rev. Plummer F. Jones |
| Ashland‖ | Hanover | [illegible]221 | 19 | | | | | | | | | | | | | | | | | E. L. C. Scott. |
| Buchanan | Botetourt | [illegible]20 | 6 | | | | | | | | 8.42 | | 1.62 | 0.0 | 12 | | | | | D. D. Booze. |
| Callaville | Brunswick | 250 | 16 | 70.8a | − 2.3 | 92 | 22† | 45 | 1 | 27 | 4.77 | + 1.14 | 1.47 | 0.0 | 11 | 16 | 8 | 6 | s. | F. M. Gage. |
| Cape Henry | Princess Anne | 20 | 36 | 71.0 | − 1.9 | 90 | 24† | 53 | 3 | 24 | 4.07 | − 0.35 | 1.40 | 0.0 | 11 | 8 | 8 | 14 | sw. | U. S. Weather Bureau. |
| Catawba | Roanoke | 1,760 | | | | | | | | | | | | | | | | | | State Sanitarium. |
| Charlottesville | Albemarle | 800 | 21 | 69.0 | − 3.4 | 92 | 23 | 47 | 1 | 25 | 8.44 | + 2.71 | 2.12 | 0.0 | 13 | 5 | 14 | 11 | s. | Leander McCormick. |
| Clarksville | Mecklenburg | | 16 | | | | | | | | 4.26 | + 0.56 | 1.64 | 0.0 | 10 | | | | | J. Henry Ligon. |
| Columbia‖ | Fluvanna | 246 | 12 | 68.9 | | 89 | 23 | 45 | 4 | 28 | 5.17 | | 1.54 | 0.0 | 12 | 12 | 9 | 9 | ne. | Chesapeake & Ohio R. R. |
| Danville | Pittsylvania | 413 | 10 | | | | | | | | 5.15 | + 1.32 | 1.22 | 0.0 | 14 | | | | | C. G. Watkins. |
| Diamond Springs | Princess Anne | 20 | .... | 71.2 | | 91 | 23† | 48 | 1 | 29 | 6.79 | | 2.00 | 0.0 | 18 | 13 | 3 | 14 | | Virginia Experiment Sta. |
| Hampton | Elizabeth City | 5 | 27 | 72.8 | − 1.6 | 90 | 24 | 52 | 2 | 26 | 5.17 | + 1.65 | 1.22 | 0.0 | 16 | 11 | 16 | 3 | sw. | Hampton Institute. |
| Hot Springs | Bath | 2,195 | 18 | 63.0 | − 3.8 | 85 | 24 | 35 | 3 | 32 | 8.66 | + 2.49 | 2.06 | 0.0 | 14 | 7 | 13 | 10 | | James P. Scott. |
| Ivor | Southampton | 87 | 1 | 68.4 | | 93 | 30 | 42 | 1 | 33 | 9.91 | | 1.24 | 0.0 | 17 | | | | | N. & W. Ry., Exp. Farm. |
| Lassiter | Goochland | 100 | | | | | | | | | 5.07 | | 1.56 | 0.0 | 11 | 17 | 5 | 8 | | T. J. Davis. |
| Lexington‖ | Rockbridge | 1,060 | 33 | | | | | | | | | | | | | | | | | Virginia Military Institute. |
| Lynchburg | Campbell | 685 | 39 | 69.6 | − 3.4 | 92 | 23 | 50 | 2 | 27 | 6.59 | + 2.60 | 2.23 | 0.0 | 13 | 3 | 19 | 8 | nw. | U. S. Weather Bureau. |
| New Castle | Craig | 1,300 | 1 | | | | | | | | 10.47 | | 1.64 | 0.0 | 13 | | | | | Miss J. L. Martin. |
| Newport News‖ | Warwick | 55 | 7 | 72.6 | | 92 | 20 | 56 | 1† | 22 | 6.07 | | 1.26 | 0.0 | 19 | 7 | 12 | 11 | nw. | Ernest W. Sniffen. |
| Norfolk | Norfolk | 91 | 40 | 72.0 | − 2.6 | 92 | 30 | 54 | 1 | 28 | 7.07 | + 2.82 | 2.67 | 0.0 | 15 | 7 | 12 | 11 | s. | U. S. Weather Bureau. |
| Petersburg | Dinwiddie | 60 | 23 | 72.1a | − 2.3 | 93 | 30 | 48 | 1 | 28 | 4.94 | + 0.60 | 1.20 | 0.0 | 10 | .... | .... | .... | w. | Central State Hospital. |
| Randolph | Charlotte | 334 | 6 | | | | | | | | 4.80 | | 1.04 | 0.0 | 12 | | | | | W. B. Spencer. |
| Richmond | Henrico | 144 | 31 | 70.3 | − 4.8 | 92 | 23 | 48 | 8 | 27 | 5.67 | + 2.15 | 1.94 | 0.0 | 14 | 7 | 8 | 15 | sw. | U. S. Weather Bureau. |
| Rocky Mount | Franklin | 1,150 | 16 | 69.2 | − 3.9 | 92 | 23 | 40 | 8 | 34 | 6.29 | + 1.42 | 1.46 | 0.0 | 11 | .... | .... | .... | w. | G. W. B. Hale. |
| Saxe | Charlotte | 350 | 7 | 70.2 | | 92 | 28 | 42 | 8 | 34 | 8.36 | | 2.00 | 0.0 | 10 | | | | s. | State Experiment Farm. |
| Spottsville (near) | Surry | 15 | 22 | 70.9 | − 2.6 | 91 | 23 | 44 | 1 | 24 | 6.73 | + 2.21 | 0.90 | 0.0 | 15 | 10 | 3 | 17 | sw. | B. W. Jones. |
| Williamsburg | James City | 70 | 19 | 71.0 | − 0.7 | 93 | 23 | 48 | 2 | 30 | 5.15 | + 0.97 | 0.80 | 0.0 | 13 | 14 | 8 | 8 | sw. | Eastern State Hospital. |
| *North Carolina.* | | | | | | | | | | | | | | | | | | | | |
| Beaufort | Carteret | 10 | 8 | 75.8 | | 87 | 18† | 59 | 2 | 21 | 6.95 | | 1.42 | 0.0 | 9 | 22 | 4 | 4 | sw. | H. D. Aller. |
| Belhaven | Beaufort | 4 | 1 | 75.0 | | 95 | 25 | 50 | 1 | 30 | 10.91 | | 2.87 | 0.0 | 12 | 19 | 5 | 6 | s. | W. S. Hopkins. |
| Brewers | Wilkes | 1,950 | 13 | 68.8 | − 2.7 | 93 | 19 | 38 | 2 | 42 | 10.92 | + 3.62 | 2.46 | 0.0 | 16 | 7 | 13 | 10 | w. | W. L. Brewer. |
| Caroleen | Rutherford | 806 | 10 | 72.3 | − 2.7 | 92 | 18† | 44 | 2 | 36 | 6.36 | − 0.53 | 1.33 | 0.0 | 11 | 4 | 16 | 10 | sw. | S. B. Tanner. |
| Chalybeate Springs | Harnett | 500 | 4 | 72.2 | | 92 | 18† | 42 | 1† | 39 | 6.20 | | 1.02 | 0.0 | 12 | 18 | 5 | 7 | s. | J. A. Smith. |
| Chapel Hill | Orange | 500 | 52 | | | | | | | | | | | | | | | | | Prof. A. H. Patterson. |
| Charlotte | Mecklenburg | 773 | 34 | 72.2 | − 3.3 | 90 | 24 | 54 | 2 | 26 | 8.14 | + 3.68 | 2.48 | 0.0 | 16 | 5 | 9 | 16 | sw. | U. S. Weather Bureau. |
| Chimney Rock | Rutherford | 1,150 | .... | 70.2 | | 92 | 20 | 44 | 2 | 37 | 6.23 | | 1.31 | 0.0 | 15 | 11 | 10 | 9 | sw. | Dr. L. B. Morse. |
| Clinton | Sampson | 156 | 3 | 74.2 | | 93 | 19 | 49 | 1† | 34 | 9.20 | | 2.30 | 0.0 | 16 | 5 | 23 | 2 | s. | W. T. Boyette. |
| Durham (near) | Durham | 406 | 1 | | | | | | | | 5.88 | | 1.42 | 0.0 | 10 | | | | | Supt. Durham Water Co. |
| Eagletown | Northampton | 66 | 5 | 72.8 | | 91 | 23† | 49 | 1† | 31 | 8.71 | | 1.98 | 0.0 | 14 | 17 | 8 | 5 | sw. | J. T. Elliott. |
| Edenton | Chowan | 30 | 16 | 73.2c | − 1.5 | 92c | 21† | 50c | 8 | 28c | 9.43 | + 5.24 | 2.50 | 0.0 | 13 | 10 | 12 | 8 | s. | E. R. Conzer. |
| Fayetteville | Cumberland | 170 | 23 | 74.6 | − 1.6 | 94 | 19 | 49 | 1 | 32 | 9.97 | + 5.71 | 2.28 | 0.0 | 15 | .... | .... | .... | | Frank Glover. |
| Goldsboro | Wayne | 102 | 40 | 74.8 | − 2.1 | 95 | 19† | 42 | 2 | 44 | 6.37 | + 1.11 | 1.95 | 0.0 | 14 | .... | .... | .... | w. | Mrs. N. B. Taylor. |
| Graham | Alamance | 656 | 8 | | | | | | | | 6.41 | | 2.00 | 0.0 | 13 | .... | .... | .... | | Dr. W. R. Goley. |
| Greensboro | Guilford | 843 | 29 | 71.4 | − 3.6 | 94 | 23† | 48 | 1† | 36 | 5.77 | + 0.50 | 2.60 | 0.0 | 11 | .... | .... | .... | s. | A. R. Horry. |
| Greenville | Pitt | 75 | 17 | | | | | | | | 7.51 | + 3.15 | 2.01 | 0.0 | 12 | .... | .... | .... | | C. V. York. |
| Hatteras | Dare | 11 | 36 | 74.3 | − 0.1 | 88 | 19 | 61 | 4 | 16 | 2.95 | − 1.38 | 0.70 | 0.0 | 11 | 15 | 9 | 6 | sw. | U. S. Weather Bureau. |
| Henderson | Vance | 490 | 17 | 71.4 | − 3.1 | 89 | 20† | 49 | 4 | 29 | 8.54 | + 4.18 | 1.32 | 0.0 | 13 | 11 | 13 | 6 | sw. | Enoch Powell. |
| Kinston | Lenoir | 46 | 12 | 74.8 | − 1.6 | 95 | 19 | 49 | 2 | 33 | 8.05 | + 3.85 | 1.85 | 0.0 | 15 | 13 | 11 | 6 | sw. | D. T. Edwards. |
| Lenoir | Caldwell | 1,186 | 37 | 69.6 | − 1.9 | 92 | 22 | 37 | 2 | 44 | 8.99 | + 4.76 | 3.60 | 0.0 | 13 | 16 | 6 | 8 | w. | G. M. Goforth. |
| Lexington | Davidson | 810 | 9 | 71.0 | | 96 | 30 | 43 | 4 | 34 | 4.46 | | 1.60 | 0.0 | 11 | 13 | 8 | 9 | s. | H. R. Berrier. |
| Lincolnton | Lincoln | 994 | 5 | | | | | | | | | | | | | | | | | L. B. Thompson. |
| Louisburg | Franklin | 375 | 19 | 72.2 | − 2.8 | 91 | 24 | 46 | 1 | 32 | 11.12 | + 7.03 | 2.50 | 0.0 | 12 | 11 | 12 | 7 | s. | T. B. Wilder. |
| Lumberton | Robeson | 102 | 27 | 74.8 | − 2.4 | 94 | 19† | 46 | 2 | 39 | 7.89 | + 2.58 | 2.16 | 0.0 | 12 | .... | .... | .... | sw. | B. M. Davis. |
| Manteo | Dare | 12 | 5 | 72.1 | | 90 | 24 | 51 | 8 | 24 | 5.08 | | 2.00 | 0.0 | 8 | 14 | 8 | 8 | sw. | U. S. Weather Bureau. |
| Marion | McDowell | 1,425 | 18 | 69.2 | − 3.1 | 91 | 18† | 44 | 2 | 35 | 8.43 | + 2.36 | 1.77 | 0.0 | 16 | 7 | 17 | 6 | w. | Sgt. Thomas McGuire. |
| Moncure | Chatham | 145 | 16 | 72.2 | − 3.1 | 93 | 24† | 44 | 1† | 38 | 6.39 | + 2.20 | 1.50 | 0.0 | 14 | 12 | 5 | 13 | sw. | B. J. Utley. |
| Monroe | Union | 586 | 16 | 72.6 | − 2.0 | 92 | 18† | 42 | 1† | 40 | 6.15 | + 1.04 | 1.66 | 0.0 | 13 | 19 | 2 | 9 | sw. | T. A. Ashcraft. |
| Morganton | Burke | 1,135 | 23 | 70.0 | − 2.9 | 89 | 18† | 45 | 2 | 32 | 7.32 | + 1.98 | 2.01 | 0.0 | 11 | 18 | 6 | 6 | se. | H. D. Judd. |
| Mt. Airy | Surry | 1,048 | 22 | 68.2 | − 3.5 | 92 | 19 | 35 | 2 | 44 | 8.83 | + 3.98 | 3.31 | 0.0 | 14 | 13 | 7 | 10 | sw. | Prof. A. H. Merritt. |
| Mt. Holly | Gaston | 616 | 13 | | | | | | | | 5.92 | + 0.66 | 2.08 | 0.0 | 14 | | | | | J. W. Holland. |
| Nashville | Nash | 190 | 6 | 73.2 | | 93 | 24† | 47 | 1 | 32 | 8.73 | | 2.18 | 0.0 | 14 | 7 | 11 | 12 | s. | J. B. Boddie. |
| Newbern | Craven | 12 | 28 | 72.4 | − 3.6 | 89 | 19† | 49 | 1† | 33 | 16.33 | +10.93 | 2.60 | 0.0 | 16 | .... | .... | .... | sw. | J. B. Hill. |
| Pinehurst‖ | Moore | 650 | 6 | 73.4 | | 91 | 24 | 50 | 4 | 30 | 7.50 | | 1.70 | 0.0 | 11 | 17 | 3 | 10 | sw. | General Office. |
| Pittsboro | Chatham | 480 | 19 | 73.7 | − 0.7 | 95 | 24 | 42 | 1 | 39 | 6.50 | + 2.34 | 3.10 | 0.0 | 8 | 19 | 0 | 11 | | B. M. Poe. |
| Raleigh | Wake | 390 | 39 | 73.0 | − 2.1 | 92 | 29 | 49 | 1 | 28 | 7.87 | + 3.15 | 2.03 | 0.0 | 13 | 6 | 16 | 8 | sw. | U. S. Weather Bureau. |
| Ramseur | Randolph | 442 | 3 | 72.9 | | 98 | 24 | 39 | 1† | 49 | 6.37 | | 1.40 | 0.0 | 12 | 1 | 25 | 4 | w. | P. P. Turner. |
| Randleman | ....do | 810 | 5 | | | | | | | | 6.21 | | 1.94 | 0.0 | 12 | | | | | J. R. Walton. |
| Reidsville | Rockingham | 828 | 11 | 70.8 | − 1.4 | 94 | 23 | 47 | 1† | 34 | 7.21 | + 1.39 | 2.14 | 0.0 | 14 | 13 | 3 | 14 | sw. | E. M. Redd. |
| Rockhouse | Macon | 3,100 | 18 | 64.0 | − 5.0 | 81 | 19 | 43 | 2 | 25 | 6.62 | − 1.43 | 1.75 | 0.0 | 16 | 4 | 14 | 12 | e. | Berry C. Hawkins. |
| Rockingham | Richmond | 210 | 15 | 74.6a | − 2.7 | 93a | 24 | 45a | 1 | 35a | 7.36 | + 1.63 | 1.66 | 0.0 | 12 | .... | .... | .... | | H. S. Ledbetter. |
| Roxboro | Person | 600 | 12 | 69.6b | − 4.1 | 93b | 30 | 51b | 1† | 30b | | | | 0.0 | | | | | | T. C. Bradsher. |
| Salem | Forsythe | 1,000 | 15 | 69.8 | − 3.7 | 90 | 18† | 42 | 2 | 38 | 6.44 | + 1.42 | 2.10 | 0.0 | 8 | .... | .... | .... | | Rev. H. E. Rondthaler. |
| Salisbury | Rowan | 760 | 26 | 72.8 | − 2.9 | 94 | 18† | 47 | 1 | 37 | 7.15 | + 2.58 | 2.20 | 0.0 | 12 | 8 | 8 | 14 | n. | Miss Thelma Wilkinson. |
| Saxon | Stokes | 900 | 18 | 69.8 | − 3.3 | 93 | 24 | 41 | 2 | 37 | 5.53 | − 0.10 | 1.27 | 0.0 | 9 | 12 | 8 | 10 | sw. | R. P. McAnnaly. |
| Scotland Neck | Halifax | 80 | 6 | 71.4 | | 89 | 23† | 47 | 1† | 30 | 6.02 | | 1.18 | 0.0 | 14 | 7 | 12 | 11 | s. | J. Y. Savage. |
| Selma | Johnston | 225 | 20 | 72.4 | − 4.6 | 94 | 29 | 48 | 1 | 30 | 8.70 | + 4.23 | 1.95 | 0.0 | 13 | .... | .... | .... | | Dr. R. J. Noble. |
| Settle | Iredell | 700 | 14 | 69.7 | − 3.9 | 92 | 19 | 41 | 2 | 39 | 7.63 | + 2.69 | 2.10 | 0.0 | 10 | 4 | 13 | 13 | se. | C. H. Smith. |
| Sloan | Duplin | 50 | 17 | 73.6 | − 2.0 | 92 | 19 | 48 | 1† | 33 | 8.07 | + 3.20 | 1.92 | 0.0 | 14 | 10 | 5 | 15 | sw. | D. M. Sholar. |
| Snow Hill | Greene | 80 | 5 | 74.2 | | 94 | 29 | 49 | 1 | 31 | 6.05 | | 1.63 | 0.0 | 13 | 9 | 14 | 7 | s. | Levi J. H. Mewborn. |
| Southern Pines | Moore | 519 | 20 | | | | | | | | | | | | | | | | | Mrs. P. H. Beck. |
| Southport | Brunswick | 18 | 55 | 74.4d | + 0.3 | 87 | 19 | 53d | 1 | 24d | 8.42 | + 4.08 | 1.83 | 0.0 | 15 | 17 | 7 | 6 | sw. | Mrs. Charles E. Taylor. |
| Statesville | Iredell | 950 | 22 | | | | | | | | | | | | | | | | | D. M. Thompson. |
| Tarboro | Edgecombe | 50 | 25 | 75.2 | − 1.2 | 94 | 20† | 49 | 2 | 33 | 7.34 | + 3.24 | 1.95 | 0.0 | 11 | .... | .... | .... | | E. V. Zoeller. |
| Troy | Montgomery | 800 | 1 | 71.8c | | 89c | 18† | 51c | 1† | 27c | 3.89 | | 1.37 | 0.0 | 8 | .... | .... | .... | sw. | Mrs. O. B. Deaton. |
| Weldon | Halifax | 81 | 38 | 73.8 | − 1.8 | 95 | 20† | 47 | 1 | 32 | 10.00 | + 5.90 | 1.67 | 0.0 | 15 | .... | .... | .... | s. | H. S. S. Cooper. |
| Whiteville | Columbus | 59 | 5 | 73.7 | | 93 | 20 | 44 | 2 | 38 | 8.51 | | 2.50 | 0.0 | 15 | 14 | 9 | 7 | sw. | Rev. C. C. Smith. |
| Willard | Pender | 51 | 2 | 73.6 | | 93 | 18† | 46 | 2† | 37 | 7.65 | | 2.08 | 0.0 | 14 | 15 | 7 | 8 | s. | J. H. Jeffries. |
| Wilmington | New Hanover | 52 | 39 | 74.7 | − 0.8 | 92 | 19 | 56 | 4 | 24 | 7.52 | + 1.90 | 2.42 | 0.0 | 13 | 8 | 11 | 11 | sw. | U. S. Weather Bureau. |
| Yanceyville | Caswell | 690 | .... | | | | | | | | | | | | | | | | | A. Y. Kerr. |
| *South Carolina.* | | | | | | | | | | | | | | | | | | | | |
| Aiken | Aiken | 565 | 26 | 75.6 | − 3.1 | 95 | 19 | 52 | 2 | 35 | 6.60 | + 2.45 | 1.90 | 0.0 | 10 | 19 | 4 | 7 | sw. | Dr. Huger T. Hall. |
| Allendale | Barnwell | 186 | 22 | 79.2 | − 0.2 | 98 | 19† | 54 | 2 | 38 | 9.87 | + 4.37 | 1.92 | 0.0 | 12 | 12 | 7 | 11 | | A. R. Hiers. |
| Anderson | Anderson | 764 | 9 | 72.8 | − 3.2 | 93 | 18† | 48 | 2 | 34 | 6.46 | + 0.78 | 1.73 | 0.0 | 16 | 10 | 1 | 19 | w. | H. H. Russell. |
| Batesburg | Lexington | 656 | 22 | 74.6 | − 3.4 | 90 | 18† | 59 | 1† | 24 | 9.43 | + 4.46 | 2.15 | 0.0 | 14 | 13 | 3 | 14 | se. | E. J. Hite. |
| Beaufort | Beaufort | 20 | 24 | | | | | | | | | | | | | | | | | Miss E. G. Rice. |
| Blackville | Barnwell | 296 | 22 | 76.6 | − 3.1 | 98 | 17 | 53 | 1 | 34 | 8.09 | + 2.30 | 1.85 | 0.0 | 17 | 10 | 10 | 10 | se. | Miss M. E. Lange. |
| Blairs | Fairfield | 293 | 9 | | | | | | | | 10.38 | | 2.30 | 0.0 | 13 | 8 | 8 | 14 | s. | John R. Ragsdale. |

TABLE 1.—*Climatological data for June, 1910. District No. 2*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *South Carolina*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Bowman | Orangeburg | 160 | 5 | 76.4 | ..... | 95 | 21 | 49 | 1 | 35 | 7.05 | ..... | 2.20 | 0.0 | 18 | 13 | 13 | 4 | sw. | B. O. Evans. |
| Calhoun Falls | Abbeville | 508 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.15 | + 1.32 | 1.60 | 0.0 | 9 | 15 | 4 | 11 | w. | P. J. Pfiefer. |
| Camden | Kershaw | 222 | 44 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.68 | + 2.39 | 1.88 | 0.0 | 15 | 17 | 2 | 11 | nw. | W. C. Brown. |
| Catawba | York | 562 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.57 | ..... | 1.12 | 0.0 | 12 | 11 | 8 | 11 | w. | Jas. C. Faris. |
| Chappells | Newberry | 402 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.86 | ..... | 1.90 | 0.0 | 7 | 11 | 3 | 16 | sw. | W. R. Zimmerman. |
| Charleston | Charleston | 48 | 40 | 77.3 | − 1.2 | 95 | 19 | 60 | 1 | 24 | 3.95 | − 1.44 | 1.04 | 0.0 | 13 | 9 | 15 | 6 | s. | U. S. Weather Bureau. |
| Cheraw | Chesterfield | 144 | 22 | 74.6 | − 2.8 | 93 | 24 | 48 | 1 | 33 | 7.32 | + 1.90 | 1.66 | 0.0 | 14 | 13 | 7 | 10 | s. | J. H. Powe. |
| Clemson College | Oconee | 850 | 19 | 71.6 | − 4.4 | 86 | 18† | 47 | 2 | 29 | 7.38 | + 3.04 | 1.30 | 0.0 | 13 | 13 | 7 | 10 | s. | Prof. John N. Hook. |
| Columbia | Richland | 351 | 23 | 75.0 | − 3.2 | 93 | 20 | 54 | 2 | 29 | 6.64 | + 2.46 | 1.60 | 0.0 | 17 | 6 | 9 | 15 | s. | U. S. Weather Bureau. |
| Conway | Horry | 25 | 18 | 75.6 | − 0.4 | 96 | 19 | 47 | 2 | 38 | 8.24 | + 3.24 | 2.05 | 0.0 | 12 | 16 | 0 | 14 | sw. | P. C. Quattlebaum. |
| Darlington | Darlington | 175 | 15 | 74.7 | ..... | 95 | 20 | 47 | 1† | 38 | 9.74 | + 3.37 | 2.70 | 0.0 | 16 | 17 | 2 | 11 | ..... | D. C. McCall. |
| Dillon | Marion | 100 | 6 | 75.7 | − 1.7 | 96 | 19† | 47 | 1† | 42 | 9.42 | + 3.90 | 2.73 | 0.0 | 15 | ..... | ..... | ..... | ..... | A. E. Rowell. |
| Effingham | Florence | 106 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8.99 | + 2.74 | 2.10 | 0.0 | 9 | 17 | 4 | 9 | w. | H. B. McCall. |
| Ferguson | Berkeley | 51 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8.49 | ..... | 2.03 | 0.0 | 9 | 22 | 0 | 8 | w. | Pierre Gaillard. |
| Florence | Florence | 136 | 22 | 76.6 | − 2.0 | 97 | 22† | 50 | 2 | 41 | 8.54 | + 3.30 | 2.40 | 0.0 | 15 | 12 | 3 | 15 | sw. | H. K. Gilbert. |
| Georgetown | Georgetown | 12 | 17 | 76.8 | − 1.8 | 93 | 19 | 57 | 1 | 28 | 12.31 | + 6.83 | 2.26 | 0.0 | 11 | 11 | 10 | 9 | s. | Wm. Alden James. |
| Greenville | Greenville | 989 | 18 | 70.8 | − 2.4 | 87 | 18† | 48 | 2 | 29 | 6.69 | + 1.31 | 1.12 | 0.0 | 13 | 18 | 2 | 10 | sw. | Mrs. S. A. Crittenden. |
| Greenwood | Greenwood | 671 | 22 | 75.7 | − 2.2 | 97 | 28 | 56 | 2 | 34 | 4.74 | + 0.11 | 1.58 | 0.0 | 9 | 17 | 0 | 13 | w. | M. M. Calhoun. |
| Heath Springs | Lancaster | 568 | 9 | 75.1 | ..... | 95 | 25 | 58 | 3 | 28 | 6.62 | ..... | 1.30 | 0.0 | 13 | 16 | 7 | 6 | w. | J. A. Weaner. |
| Jacksonboro | Colleton | 13 | 2 | 75.4 | ..... | 92 | 18† | 54 | 2† | 32 | 8.25 | ..... | 1.50 | 0.0 | 14 | 11 | 7 | 12 | sc. | W. E. Haskell, jr. |
| Kingstree | Williamsburg | 54 | 22 | 77.8 | − 0.3 | 96 | 19 | 52 | 1† | 32 | 8.93 | + 3.60 | 1.60 | 0.0 | 15 | 17 | 3 | 10 | sc. | A. O. Matthews. |
| Liberty | Pickens | 900 | 16 | 72.8 | − 3.6 | 92 | 18† | 46 | 2 | 34 | 8.15 | + 3.33 | 1.70 | 0.0 | 16 | 9 | 13 | 8 | sw. | Jno. T. Boggs. |
| Little Mountain | Newberry | 711 | 17 | 73.4 | − 4.6 | 90 | 18† | 51 | 2 | 30 | 8.38 | + 3.86 | 1.40 | 0.0 | 17 | 17 | 6 | 7 | w. | Dr. J. M. Sease. |
| Newberry | do | 502 | 6 | 75.0 | − 2.7 | 95 | 24 | 48 | 2 | 36 | 9.54 | + 4.06 | 2.40 | 0.0 | 15 | 2 | 14 | 14 | s. | W. G. Peterson. |
| Pelzer | Anderson | 873 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.74 | ..... | 0.88 | 0.0 | 11 | 14 | 3 | 13 | sw. | John M. Ward. |
| Pinopolis | Berkeley | 55 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.54 | − 1.34 | 1.31 | 0.0 | 6 | ..... | ..... | ..... | nc. | Miss E. P. Ravenel. |
| St. George | Dorchester | 109 | 22 | 78.2 | − 0.2 | 97 | 18† | 52 | 1 | 36 | 7.48 | + 2.17 | 1.76 | 0.0 | 15 | 21 | 0 | 9 | ..... | G. F. Lewis. |
| St. Matthews | Calhoun | 200 | 22 | 74.6 | − 3.2 | 90 | 19 | 56 | 2 | 26 | 9.46 | + 3.33 | 2.32 | 0.0 | 13 | 15 | 0 | 15 | ..... | J. S. Wannamaker. |
| Saluda | Saluda | 530 | 8 | 76.0[d] | ..... | 94 | 20 | 48 | 4 | 39 | 10.60 | ..... | 1.94 | 0.0 | 15 | 13 | 3 | 10 | s. | Alvin Etheridge. |
| Santuc | Union | 512 | 15 | 74.1 | − 2.3 | 97 | 28 | 48 | 1 | 32 | 7.42 | + 3.21 | 1.44 | 0.0 | 13 | 5 | 14 | 11 | w. | E. W. Jeter. |
| Smith Mills | Williamsburg | 62 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.79 | − 0.13 | 1.98 | 0.0 | 12 | 13 | 2 | 15 | s. | W. G. Walker. |
| Society Hill | Darlington | 192 | 19 | 74.6 | − 2.6 | 91 | 18† | 58 | 1 | 23 | 9.30 | + 3.54 | 1.98 | 0.0 | 17 | 12 | 7 | 11 | sw. | J. J. Lucas. |
| Spartanburg | Spartanburg | 875 | 19 | 73.7 | − 3.1 | 96 | 18† | 47 | 1† | 39 | 9.45 | + 4.30 | 2.03 | 0.0 | 15 | 17 | 0 | 13 | ..... | F. P. Robinson. |
| Summerville | Dorchester | 75 | 13 | 75.5 | − 1.4 | 93 | 18† | 52 | 1† | 33 | 7.32 | + 2.72 | 1.65 | 0.0 | 17 | 4 | 21 | 5 | sw. | Miss E. H. Gadsen. |
| Trenton | Edgefield | 620 | 17 | 76.2 | − 2.2 | ..... | ..... | 55 | 3† | ..... | 9.11 | + 4.51 | 2.43 | 0.0 | 14 | 6 | 19 | 5 | s. | C. A. Long. |
| Trial | Berkeley | 85 | 23 | 74.0 | − 2.8 | 92 | 18† | 49 | 1† | 34 | 7.94 | + 2.25 | 1.80 | 0.0 | 17 | 2 | 20 | 8 | sw. | Etsell Gaillard. |
| Walhalla | Oconee | 1,061 | 19 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | N. L. Fant. |
| Walterboro | Colleton | 69 | 6 | 77.2[b] | ..... | 98 | 19 | 51 | 1 | 36 | 8.31 | ..... | 1.80 | 0.0 | 15 | 11 | 10 | 9 | ..... | J. A. Westerberg. |
| Winnsboro | Fairfield | 545 | 21 | 74.6 | − 2.1 | 92 | 20 | 54 | 2 | 25 | 8.76 | + 1.17 | 2.00 | 0.0 | 15 | 11 | 18 | 1 | se. | John W. Seigler. |
| Winthrop College | York | 690 | 11 | 74.3 | − 1.3 | 92 | 19† | 51 | 1 | 29 | 4.90 | − 1.03 | 0.97 | 0.0 | 12 | 12 | 11 | 7 | sw. | E. R. Rivers. |
| Yemassee | Hampton | 23 | 15 | 76.0 | − 3.2 | 95 | 19 | 52 | 1 | 34 | 8.48 | + 2.26 | 1.50 | 0.0 | 14 | 16 | 2 | 12 | ..... | J. G. Hutson. |
| *Georgia.* | | | | | | | | | | | | | | | | | | | | |
| Abbeville | Wilcox | ..... | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.00 | ..... | 1.38 | 0.0 | 17 | 9 | 4 | 17 | w. | W. H. Calhoun. |
| Adairsville | Bartow | 772 | 18 | 73.4 | − 2.4 | 92 | 17† | 47 | 2 | 35 | 5.00 | + 1.52 | 1.14 | 0.0 | 15 | 12 | 12 | 6 | ..... | Dr. J. P. Bowdoin. |
| Albany | Dougherty | 230 | 25 | 77.8 | − 3.7 | 99 | 4 | 56 | 1 | 32 | 9.12 | + 5.04 | 2.44 | 0.0 | 17 | 15 | 3 | 12 | sw. | Geo. C. Brosnan. |
| Allapaha | Berrien | 293 | 21 | 78.8 | − 0.5 | 97 | 4 | 56 | 1 | 30 | 8.79 | + 3.78 | 1.52 | 0.0 | 13 | 4 | 15 | 11 | sw. | James T. Austin. |
| Americus | Sumter | 362 | 27 | 77.4 | − 3.3 | 97 | 18† | 56 | 1 | 31 | 7.43 | + 3.01 | 2.00 | 0.0 | 11 | 13 | 8 | 9 | s. | O. D. Reese. |
| Athens | Clarke | 694 | 33 | 73.2 | − 3.0 | 92 | 24 | 52 | 2 | 31 | 8.28 | + 3.86 | 2.60 | 0.0 | 12 | 15 | 4 | 11 | w. | C. D. Cox. |
| Atlanta | Fulton | 1,218 | 45 | 72.8 | − 2.9 | 89 | 18 | 55 | 1 | 24 | 5.20 | + 1.24 | 1.10 | 0.0 | 11 | 10 | 10 | 10 | w. | U. S. Weather Bureau. |
| Augusta | Richmond | 180 | 44 | 76.0 | − 2.9 | 93 | 18 | 56 | 2 | 28 | 6.02 | + 1.58 | 0.77 | 0.0 | 18 | 7 | 11 | 12 | se. | U. S. Weather Bureau. |
| Bainbridge | Decatur | 119 | 18 | 78.4[a] | − 2.2 | 101[a] | 3 | 59 | 1 | 37[a] | 9.47 | + 4.80 | 1.85 | 0.0 | 17 | 12 | 1 | 17 | n. | Mrs. C. O. Wimberley. |
| Barnesville | Pike | 875 | 2 | 74.8[d] | ..... | 92[d] | 19 | 54[d] | 1 | 26[d] | 5.68 | ..... | 1.39 | 0.0 | 11 | ..... | ..... | ..... | ..... | Prof. T. O. Galloway. |
| Blakely | Early | 300 | 19 | 79.0 | − 1.6 | 105 | 3 | 52 | 1 | 44 | 6.71 | + 2.04 | 1.46 | 0.0 | 15 | 4 | 16 | 10 | s. | Ralph M. Hobbs. |
| Brunswick | Glynn | 14 | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. B. High. |
| Butler | Taylor | 650 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.13 | ..... | 1.27 | 0.0 | 12 | 12 | 3 | 15 | sw. | Mrs. Mamie F. Wallace. |
| Camak | Warren | 613 | 17 | 74.9 | − 3.1 | 96 | 28 | 52 | 2 | 32 | 6.36 | + 1.87 | 1.47 | 0.0 | 11 | 12 | 4 | 14 | ..... | J. A. Chapman. |
| Canton | Cherokee | 894 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.08 | + 1.71 | 1.24 | 0.0 | 11 | 15 | 9 | 6 | w. | J. M. McAfee. |
| Carlton | Madison | 557 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 9.34 | + 4.21 | 2.40 | 0.0 | 15 | 15 | 0 | 15 | w. | M. C. Power. |
| Carrollton | Carroll | ..... | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. T. Folk. |
| Clayton | Rabun | 2,100 | 17 | 68.3 | − 3.6 | 87 | 19† | 39 | 2 | 37 | 7.18 | + 1.87 | 1.40 | 0.0 | 13 | 8 | 13 | 9 | w. | A. J. Duncan. |
| Columbus | Muscogee | 262 | 23 | 77.2 | − 2.1 | 96 | 4 | 53 | 1 | 31 | 3.09 | − 0.98 | 0.64 | 0.0 | 17 | 11 | 4 | 15 | sw. | A. J. Land. |
| Covington | Newton | 800 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.08 | + 3.09 | 1.75 | 0.0 | 8 | 13 | 7 | 10 | s. | Rufus Cruse. |
| Cuthbert | Randolph | 446 | 11 | 77.4 | − 2.7 | 99 | 4 | 62 | 10 | 33 | 6.22 | ..... | 1.21 | 0.0 | 9 | 4 | 19 | 7 | ..... | Prof. W. McMichael. |
| Dahlonega | Lumpkin | 1,519 | 18 | 70.6 | − 2.0 | 88 | 28 | 44 | 2 | 33 | 7.57 | + 0.96 | 3.44 | 0.0 | 13 | 7 | 18 | 5 | nw. | Prof. B. P. Gailliard. |
| Diamond | Gilmer | 2,020 | 20 | 67.8 | − 2.9 | 84 | 19 | 41 | 1† | 33 | 8.51 | + 2.63 | 2.43 | 0.0 | 14 | 9 | 10 | 11 | ..... | R. A. Kimsey. |
| Douglass | Coffee | 500 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Prof. C. W. Davis. |
| Dublin | Laurens | 452 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.56 | + 2.94 | 2.40 | 0.0 | 14 | 13 | 3 | 14 | sw. | Mrs. M. E. Martin. |
| Dudley | do | ..... | 8 | 76.6 | ..... | 93 | 3† | 54 | 2 | 33 | 8.59 | ..... | 4.63 | 0.0 | 10 | 15 | 12 | 3 | sw. | J. H. M. O. Sullivan. |
| Eastman | Dodge | 361 | 19 | 78.9 | − 1.3 | 98 | 18† | 59 | 1 | 32 | 6.37 | + 2.79 | 1.42 | 0.0 | 12 | 6 | 10 | 14 | w. | Miss A. M. Bohannon. |
| Eatonton | Putnam | ..... | 7 | 74.0 | ..... | 93 | 18† | 49 | 1† | 40 | 8.59 | ..... | 1.90 | 0.0 | 14 | ..... | ..... | ..... | ..... | Prof. W. C. Wright. |
| Elberton | Elbert | 710 | 19 | 74.1 | − 3.6 | 93 | 20† | 47 | 2 | 37 | 7.32 | + 2.61 | 2.00 | 0.0 | 11 | 16 | 9 | 5 | w. | H. A. Roebuck. |
| Experiment | Spalding | 946 | 19 | 73.4 | − 3.2 | 89 | 18 | 52 | 1 | 35 | 4.19 | + 0.11 | 1.05 | 0.0 | 13 | 7 | 21 | 2 | ..... | Martin V. Calvin. |
| Fort Gaines | Clay | 166 | 23 | 77.6 | − 2.3 | 99 | 3 | 54 | 1 | 32 | 5.90 | + 1.59 | 2.25 | 0.0 | 12 | 12 | 0 | 18 | se. | Mrs. Eva T. Graham. |
| Gainesville | Hall | 1,254 | 34 | 71.2 | − 3.7 | 91 | 19† | 51 | 2 | 29 | 6.99 | + 2.46 | 2.37 | 0.0 | 10 | 15 | 0 | 15 | c. | W. C. Walker. |
| Gillsville | do | 1,052 | 29 | 73.0 | − 3.2 | 93 | 28 | 47 | 2 | 34 | 6.24 | + 2.39 | 1.21 | 0.0 | 12 | 5 | 20 | 5 | w. | J. W. Casey. |
| Glennville | Tatnall | ..... | 5 | 77.7 | ..... | 95 | 18† | 57 | 1† | 31 | 7.75 | ..... | 1.71 | 0.0 | 15 | 16 | 11 | 3 | sw. | Wm. C. Barnard. |
| Gore | Chattooga | ..... | 12 | 72.2 | − 2.7 | 91 | 18 | 45 | 1† | 34 | 7.62 | + 3.13 | 2.20 | 0.0 | 14 | 17 | 7 | 6 | sw. | H. M. Ponder. |
| Greensboro | Greene | 598 | 8 | 75.2 | ..... | 94 | 22 | 52 | 2 | 31 | 6.16 | ..... | 1.36 | 0.0 | 12 | 13 | 7 | 10 | w. | R. L. Caldwell. |
| Griffin | Spalding | 975 | 21 | 72.2 | ..... | 90 | 4 | 51 | 1 | 35 | 4.18 | − 0.35 | 0.95 | 0.0 | 11 | 9 | 4 | 17 | sw. | V. P. Enloe. |
| Harrison | Washington | 245 | 12 | 74.8 | − 3.4 | 93 | 4 | 52 | 1† | 34 | 8.23 | + 3.60 | 1.42 | 0.0 | 13 | 18 | 7 | 5 | w. | A. W. J. Wood. |
| Hartwell | Hart | 838 | 2 | ..... | ..... | 93 | 20† | ..... | ..... | ..... | 10.28 | ..... | 1.34 | 0.0 | 16 | 16 | 0 | 14 | sw. | Dr. W. I. Hailey. |
| Hawkinsville | Pulaski | 235 | 15 | 76.8[a] | − 1.9 | 95[a] | 17 | 50[a] | 1 | 42[a] | 7.77 | + 3.53 | 1.72 | 0.0 | 13 | 16[a] | 8[a] | 5[a] | s. | R. H. Wood. |
| Helena | Telfair | 260 | 3 | 78.0 | ..... | 96 | 4 | 58 | 1† | 30 | 5.67 | ..... | 1.22 | 0.0 | 17 | 4 | 12 | 14 | w. | James D. Smith. |
| LaFayette | Walker | 871 | 4 | 72.8 | ..... | 92 | 17 | 44 | 2 | 35 | 9.75 | ..... | 2.28 | 0.0 | 14 | 8 | 9 | 13 | nw. | Ralph A. Snow. |
| Lisbon | Lincoln | ..... | 4 | 74.8 | ..... | 94 | 17† | 46 | 2 | 38 | 7.97 | ..... | 1.60 | 0.0 | 15 | 11 | 4 | 15 | nw. | B. J. DuBose. |
| Lost Mountain | Cobb | ..... | 10 | 73.1 | − 1.3 | 90 | 28 | 49 | 1 | 38 | 5.60 | + 0.82 | 1.55 | 0.0 | 7 | 0 | 25 | 5 | w. | A. N. Mayes. |
| Louisville | Jefferson | 259 | 18 | 75.3 | − 3.2 | 90 | 18† | 54 | 2 | 30 | 7.67 | + 2.73 | 2.50 | 0.0 | 10 | 14 | 14 | 2 | ..... | J. C. Little. |
| Lumber City | Telfair | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 9.56 | ..... | 2.00 | 0.0 | 16 | 13 | 8 | 9 | s. | Walter A. Hilton. |
| Lumpkin | Stewart | 650 | 17 | 77.0 | − 2.3 | 99 | 4 | 56 | 1 | 32 | 6.79 | + 3.22 | 2.09 | 0.0 | 15 | 1 | 25 | 4 | sw. | A. W. Latimer. |
| Macon | Bibb | 370 | 33 | 76.0 | − 2.0 | 93 | 18 | 56 | 2 | 28 | 5.48 | + 1.40 | 1.39 | 0.0 | 12 | 9 | 10 | 11 | sw. | U. S. Weather Bureau. |
| Marshallville | Macon | 500 | 18 | 76.7 | − 3.3 | 100 | 4 | 52 | 1† | 40 | 6.96 | + 2.89 | 1.35 | 0.0 | 15 | 6 | 9 | 15 | c. | E. C. Bryan. |
| Mauzy | Colquitt | ..... | 12 | 77.6 | − 2.2 | 100 | 4 | 58 | 1 | 34 | 9.66 | + 4.43 | 1.84 | 0.0 | 13 | 11 | 11 | 8 | sw. | T. J. Hudson. |
| Milledgeville | Baldwin | 276 | 22 | 77.0 | − 1.1 | 94 | 24† | 52 | 2 | 36 | 6.21 | + 2.09 | 1.73 | 0.0 | 10 | 15 | 4 | 11 | s. | Prof. O. M. Cone. |
| Millen | Jenkins | 158 | 23 | 77.2 | − 2.6 | 97 | 18 | 51 | 1 | 37 | 5.92 | + 0.66 | 0.98 | 0.0 | 15 | 15 | 0 | 15 | nw. | M. G. McComb. |
| Montezuma | Macon | 292 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.30 | ..... | 1.68 | 0.0 | 18 | 9 | 6 | 15 | w. | W. N. Drewry. |
| Monticello | Jasper | 800 | 14 | 75.2 | − 3.3 | 94 | 18 | 51 | 1 | 33 | 5.28 | + 0.90 | 0.92 | 0.0 | 11 | 20 | 0 | 10 | ..... | Miss Maude C. Penn. |
| Morgan | Calhoun | 337 | 18 | ..... | ..... | 94 | 4 | ..... | ..... | ..... | 6.25 | + 1.87 | 2.00 | 0.0 | 13 | 8 | 7 | 15 | w. | J. J. Beck. |

TABLE 1.—*Climatological data for June, 1910. District No. 2*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Georgia*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Newnan | Coweta | 959 | 22 | 74.2[d] | − 3.3 | 91[d] | 4 | 53 | 2 | 33[d] | 5.67 | + 1.16 | 1.13 | 0.0 | 9 | 11 | 3 | 16 | e. | Mrs. I. J. Milner. |
| Oakdale | Fulton | 810 | 10 | | | | | | | | | | | | | | | | | W. R. B. Whittier. |
| Point Peter | Oglethorpe | 1,000 | 21 | 72.8 | − 4.2 | 91 | 17† | 53 | 1 | 29 | 7.32 | + 3.00 | 1.72 | 0.0 | 12 | 9 | 13 | 8 | w. | C. M. Witcher. |
| Poulan | Worth | 365 | 19 | 76.8 | − 2.0 | 97 | 3† | 52 | 1 | 35 | 5.89 | + 1.47 | 1.12 | 0.0 | 16 | 10 | 9 | 11 | | Dr. J. F. Wilson. |
| Putnam | Marion | | 11 | 76.3 | − 3.0 | 99 | 4 | 53 | 1 | 38 | 5.81 | + 1.91 | 2.00 | 0.0 | 12 | 6 | 9 | 15 | s. | Mrs. J. M. Collum. |
| Quitman | Brooks | 173 | 26 | 77.2 | − 2.8 | 99 | 3 | 59 | 2 | 34 | 15.76 | + 9.85 | 4.02 | 0.0 | 15 | 13 | 3 | 14 | nw. | A. B. Jones. |
| Ramsey | Murray | 1,363 | 17 | 70.8 | − 4.2 | 88 | 20 | 49 | 1† | 28 | 6.96 | + 2.51 | 1.30 | 0.0 | 16 | 12 | 9 | 9 | sw. | D. E. Humphreys. |
| Resaca | Gordon | 657 | 17 | | | | | | | | 4.89 | + 0.41 | 1.06 | 0.0 | 11 | 21 | 1 | 8 | nw. | D. A. Norton. |
| Rome | Floyd | 576 | 55 | 73.0 | − 3.2 | 93 | 17 | 47 | 2 | 37 | 7.20 | + 3.26 | 2.36 | 0.0 | 13 | 19 | 4 | 7 | e. | W. M. Towers. |
| St. George | Charlton | | 4 | 77.6 | | 98[a] | 5 | 54 | 1 | 39[a] | 7.16 | | 2.20 | 0.0 | 19 | 12 | 14 | 4 | sw. | A. N. Lund. |
| St. Marys | Camden | 20 | 19 | | | | | | | | | | | | | | | | | David C. Sterling. |
| Savannah | Chatham | 65 | 60 | 77.2 | − 2.0 | 99 | 19 | 60 | 1 | 26 | 7.33 | + 1.92 | 1.06 | 0.0 | 17 | 10 | 8 | 12 | s. | U. S. Weather Bureau. |
| Statesboro | Bulloch | 233 | 10 | 78.3 | − 0.7 | 99 | 18 | 55 | 2 | 36 | 6.96 | − 0.32 | 1.31 | 0.0 | 15 | 8 | 19 | 3 | | J. C. Cromley. |
| Talbotton | Talbot | 750 | 17 | 76.0 | − 1.9 | 95 | 30 | 52 | 1 | 35 | 4.64 | + 1.25 | 0.97 | 0.0 | 14 | 9 | 7 | 14 | w. | Dr. E. L. Bardwell. |
| Tallapoosa | Haralson | 1,150 | 18 | 73.0 | − 3.2 | 91 | 18 | 47 | 2 | 35 | 6.85 | + 3.20 | 2.85 | 0.0 | 12 | 10 | 10 | 10 | sw. | R. M. Strickland. |
| Thomasville | Thomas | 273 | 27 | 77.1 | − 2.5 | 98 | 4 | 60 | 1 | 32 | 12.08 | + 6.99 | 3.15 | 0.0 | 18 | 6 | 14 | 10 | sw. | U. S. Weather Bureau. |
| Toccoa | Stephens | 1,050 | 25 | 68.8 | | 90 | 19 | 47 | 2 | 33 | 6.75 | + 2.37 | 1.60 | 0.0 | 12 | 15 | 0 | 15 | e. | E. A. Newton. |
| Valdosta | Lowndes | 219 | 5 | 78.8 | | 101 | 3 | 58 | 1 | 36 | 11.76 | | 3.81 | 0.0 | 14 | 13 | 0 | 17 | ne. | Miss Annie L. Twitty. |
| Valona | McIntosh | 10 | 10 | 77.6 | − 1.3 | 95 | 18 | 55 | 1 | 30 | 5.76 | − 0.34 | 1.09 | 0.0 | 12 | 15 | 10 | 5 | se. | J. M. Atwood. |
| Washington | Wilkes | 630 | 23 | 75.1 | − 2.8 | 93 | 18† | 51 | 2 | 35 | 6.53 | + 1.11 | 1.08 | 0.0 | 14 | 11 | 10 | 9 | ne. | Miss Ella B. Smith. |
| Waycross | Ware | 131 | 21 | 78.6 | − 2.2 | 98 | 18 | 58 | 1 | 33 | 13.42 | + 7.53 | 2.10 | 0.0 | 20 | 18 | 2 | 10 | s. | Thomas Sasser. |
| Waynesboro | Burke | 86 | 19 | 76.1 | − 2.1 | 96 | 18 | 55 | 1 | 29 | 7.43 | + 2.75 | 2.03 | 0.0 | 15 | 11 | 7 | 12 | w. | Mrs. H. W. Blount. |
| West Point | Troup | 620 | 22 | 76.0 | − 3.5 | 96 | 19 | 53 | 1 | 32 | 4.43 | − 0.05 | 1.69 | 0.0 | 11 | 10 | 2 | 18 | sw. | E. N. Dunn. |
| Woodbury | Meriwether | 641 | 10 | 73.4 | − 3.6 | 90 | 25† | 51 | 1 | 33 | 5.09 | + 1.44 | 1.36 | 0.0 | 9 | 9 | 4 | 17 | sw. | G. A. Wright. |
| *Florida.* | | | | | | | | | | | | | | | | | | | | |
| Apalachicola‖ | Franklin | 24 | 6 | 77.6 | | 90 | 19† | 66 | 2 | 18 | 14.90 | | 2.00 | 0.0 | 14 | 9 | 12 | 9 | w. | G. H. Whiteside. |
| Arcadia | De Soto | 61 | 9 | 79.5 | | 99 | 4 | 62 | 3† | 37 | 6.65 | | 1.68 | 0.0 | 17 | 21 | 4 | 5 | e. | C. S. Bushnell. |
| Archer | Alachua | 92 | 24 | 79.0 | − 0.8 | 99 | 4 | 61 | 3 | 31 | 7.27 | − 0.90 | 1.52 | 0.0 | 14 | 3 | 22 | 5 | | R. B. Hodgson. |
| Avon Park | De Soto | 150 | 12 | 79.2 | − 0.7 | 99 | 5 | 62 | 9 | 33 | 14.37 | + 5.34 | 2.40 | 0.0 | 22 | 4 | 11 | 15 | s. | O. R. Thacher. |
| Bartow | Polk | 115 | 14 | 80.0 | − 1.1 | 100 | 5 | 62 | 2 | 35 | 8.97 | + 1.05 | 1.95 | 0.0 | 16 | 11 | 11 | 8 | se. | Wm. Hood. |
| Blountstown | Calhoun | | 2 | | | | | | | | | | | | | | | | | C. L. Hobbs. |
| Bonifay | Holmes | 111 | 8 | 77.3 | | 95 | 18† | 57[a] | 1 | 30 | 7.47 | | 2.50 | 0.0 | 13 | 7 | 2 | 21 | | Wm. Rush. |
| Brooksville | Hernando | 126 | 16 | 77.9 | − 2.2 | 94 | 7 | 61 | 2 | 31 | 13.42 | + 5.10 | 1.97 | 0.0 | 16 | 10 | 14 | 6 | w. | C. C. Peck. |
| Carrabelle | Franklin | 10 | 11 | | | | | | | | | | | | | | | | | J. J. Blomquist. |
| Cedar Keys | Levy | 10 | 12 | 79.6 | − 0.9 | 91 | 18† | 69 | 15 | 18 | 10.40 | + 4.80 | 2.50 | 0.0 | 12 | 17 | 1 | 12 | | J. B. Lutterloh. |
| Clermont | Lake | 105 | 17 | 79.9 | − 1.6 | 98 | 4 | 60 | 1 | 30 | 6.89 | − 0.01 | 1.00 | 0.0 | 16 | 6 | 23 | 1 | s. | S. S. Fesler. |
| DeFuniak Springs | Walton | 193 | 13 | 77.0 | − 2.3 | 98 | 19† | 59 | 9† | 30 | 7.66 | + 1.89 | 1.25 | 0.0 | 16 | | | | | R. W. Storrs. |
| DeLand | Volusia | 27 | 12 | 77.5 | − 1.5 | 94 | 5 | 61 | 2 | 27 | 15.29 | | 4.42 | 0.0 | 19 | 11 | 11 | 8 | se. | Dr. O. B. Webster. |
| Eustis | Lake | 56 | 19 | 80.0 | − 0.7 | 98 | 5 | 66 | 24 | 25 | 9.63 | + 3.33 | 2.95 | 0.0 | 17 | | | | se. | C. T. Smith. |
| Federal Point | Putnam | 5 | 17 | 79.2 | + 0.3 | 95 | 7† | 60 | 2 | 30 | 9.35 | + 3.32 | 2.22 | 0.0 | 19 | 13 | 16 | 1 | sw. | E. S. Hubbard. |
| Fenholloway | Taylor | 75 | 3 | 74.0 | | 90 | 2† | 60 | 19 | 34 | 14.37 | | 4.50 | 0.0 | 11 | 0 | 16 | 14 | sw. | Miss E. Wigglesworth. |
| Fernandina | Nassau | 10 | 11 | 77.9 | − 1.2 | 95 | 19 | 65 | 1 | 25 | 9.24 | + 4.42 | 3.81 | 0.0 | 14 | 11 | 12 | 7 | se. | W. B. C. Duryee. |
| Fort Meade | Polk | 125 | 25 | 79.5 | + 0.3 | 101 | 5 | 61 | 3 | 38 | 9.68 | + 0.59 | 1.49 | 0.0 | 16 | 11 | 5 | 14 | nw. | G. L. Broderick. |
| Fort Myers | Lee | 12 | 26 | 78.8 | − 1.0 | 93 | 4 | 68 | 5† | 24 | 8.20 | − 0.85 | 2.79 | 0.0 | 19 | 18 | 12 | 0 | s. | Miss M. M. Gardner. |
| Fort Pierce | St. Lucie | 6 | 17 | 77.2 | − 2.2 | 92 | 3 | 63 | 4 | 27 | 4.60 | − 3.72 | 1.10 | 0.0 | 16 | 10 | 7 | 13 | se. | T. J. O'Brien. |
| Gainesville | Alachua | 176 | 21 | 78.8 | − 1.5 | 98 | 4 | 61 | 2 | 35 | 11.89 | + 5.20 | 1.66 | 0.0 | 17 | 10 | 5 | 15 | | J. P. H. Bell. |
| Grasmere‖ | Orange | 175 | 13 | 78.6 | − 2.4 | 95 | 5† | 61 | 2 | 28 | 10.09 | | 1.58 | 0.0 | 17 | 15 | 14 | 1 | sw. | J. B. Escott. |
| Hilliard | Nassau | 69 | 1 | 77.8 | | 95 | 5† | 60 | 3 | 34 | 11.02 | | 4.50 | 0.0 | 13 | 7 | 16 | 7 | | The Hilliard Co. |
| Huntington | Putnam | 56 | 13 | | | | | | | | | | | | | | | | | C. E. Walker. |
| Hypoluxo | Palm Beach | 4 | 12 | 78.4 | − 0.9 | 94 | 3 | 64 | 5 | 25 | 7.08 | − 1.88 | 2.51 | 0.0 | 15 | 9 | 15 | 6 | se. | G. A. Angevine. |
| Inverness | Citrus | 43 | 9 | 78.2 | | 92 | 6 | 62 | 2 | 24 | 9.39 | + 2.95 | 1.85 | 0.0 | 17 | 1 | 21 | 8 | sw. | W. H. Miller. |
| Jacksonville | Duval | 101 | 38 | 78.8 | − 0.2 | 95 | 19 | 65 | 2 | 24 | 6.72 | + 1.19 | 2.40 | 0.0 | 15 | 10 | 13 | 7 | sw. | U. S. Weather Bureau. |
| Jasper | Hamilton | 152 | 9 | 78.6 | | 100 | 3 | 58 | 2 | 40 | 17.92 | +11.97 | 2.25 | 0.0 | 16 | | | | | G. W. Duncan. |
| Johnstown | Bradford | 125 | 11 | 78.1[a] | − 1.8 | 97[a] | 25 | 60[a] | 24 | 29 | 8.24 | + 2.14 | 1.80 | 0.0 | 16 | | | | se. | A. M. C. Brasch. |
| Jupiter | Palm Beach | 34 | 22 | 78.2 | − 1.4 | 92 | 3 | 69 | 24 | 21 | 7.53 | − 0.40 | 2.09 | 0.0 | 17 | 4 | 22 | 4 | s. | U. S. Weather Bureau. |
| Key West | Monroe | 14 | 30 | 81.9 | − 0.3 | 89 | 21 | 72 | 22 | 16 | 1.06 | − 3.19 | 0.89 | 0.0 | 5 | 8 | 22 | 0 | s. | Do. |
| Kissimmee | Osceola | 65 | 17 | 80.6 | + 0.4 | 98 | 5 | 64 | 2 | 30 | 9.53 | + 2.53 | 1.81 | 0.0 | 17 | 5 | 22 | 3 | sw. | J. A. Simpson. |
| Lake City | Columbia | 210 | 20 | 77.2 | − 2.9 | 95 | 5 | 58 | 2 | 32 | 13.80 | + 7.05 | 1.90 | 0.0 | 19 | 8 | 6 | 16 | sw. | W. B. Knight. |
| Live Oak | Suwanee | 109 | 5 | 78.4 | | 98[b] | 19 | 59[b] | 3 | 35 | 22.35 | +14.90 | 3.05 | 0.0 | 16 | 12 | 0 | 18 | s. | D. O. Henry. |
| Macclenny | Baker | 125 | 13 | 78.5[d] | − 1.2 | 96[d] | 5 | 58[d] | 2 | 31 | 7.71 | + 1.96 | 2.80 | 0.0 | 13 | | | | | Griffing Bros. Co. |
| Madison | Madison | 200 | 6 | 77.8 | | 97 | 3 | 62 | 1† | 30 | 12.70 | + 7.88 | 3.70 | 0.0 | 18 | 1 | 8 | 21 | sw. | E. J. Vann. |
| Malabar | Brevard | 24 | 8 | 78.8 | | 100 | 3 | 62 | 3† | 38 | 7.64 | | 1.57 | 0.0 | 15 | 13 | 12 | 5 | se. | J. F. Farley. |
| Manatee | Manatee | 8 | 26 | 79.5 | − 0.6 | 94 | 7 | 67 | 3† | 24 | 4.58 | − 3.47 | 1.61 | 0.0 | 11 | 8 | 16 | 6 | w. | W. P. Fuller. |
| Mariana | Jackson | 80 | 8 | 77.4 | | 97 | 3 | 59 | 1 | 34 | 10.50 | | 4.10 | 0.0 | 15 | 11 | 4 | 15 | sw. | W. J. Watson. |
| Meritts Island | Brevard | 20 | 27 | 77.7 | − 1.9 | 88 | 4 | 68 | 22 | 19 | 7.43 | + 0.66 | 2.84 | 0.0 | 15 | 7 | 18 | 5 | e. | C. D. Provost. |
| Miami | Dade | 5 | 13 | 80.0 | − 0.9 | 93 | 10 | 69 | 4† | 22 | 6.78 | − 0.97 | 1.20 | 0.0 | 9 | 6 | 14 | 10 | | E. V. Blackman. |
| Middleburg | Clay | 10 | 8 | 78.6[d] | | 98[d] | 20 | 59[d] | 2 | 32 | 8.32 | | 1.55 | 0.0 | 13 | | | | | G. A. Chalker. |
| Milligan | Santa Rosa | | | | | | | | | | | | | | | | | | | W. F. Mapoles. |
| Molino | Escambia | 49 | 8 | 76.8 | | 98 | 4 | 55 | 1 | 35 | 7.36 | | 1.86 | 0.0 | 12 | 14 | 8 | 8 | s. | W. H. Trimmer. |
| Monticello | Jefferson | 207 | 5 | 78.2 | | 100 | 3 | 61 | 2 | 32 | 13.99 | | 2.50 | 0.0 | 14 | 12 | 18 | 0 | s. | E. C. Potter. |
| Mt. Pleasant | Gadsden | 260 | 4 | 76.0 | | 97 | 3 | 55 | 1 | 36 | 9.95 | | 2.33 | 0.0 | 18 | | | | se. | Miss A. Grubb. |
| Newport | Wakulla | 10 | 9 | | | | | | | | | | | | | | | | | J. M. Ladd. |
| New Smyrna | Volusia | 9 | 21 | 77.8 | − 1.3 | 95 | 4 | 63 | 2† | 27 | 8.11 | + 2.75 | 1.70 | 0.0 | 14 | | | | | F. Nordman. |
| Ocala | Marion | 98 | 21 | 80.2 | + 0.5 | 98 | 4† | 62 | 2 | 35 | 11.22 | + 3.62 | 2.05 | 0.0 | 12 | 13 | 9 | 8 | | Dr. F. T. Schreiber. |
| Orange City | Volusia | 39 | 16 | 79.4 | − 1.4 | 101 | 5 | 60 | 2 | 36 | 11.59 | + 4.89 | 3.22 | 0.0 | 16 | 9 | 14 | 7 | sw. | J. D. Graham. |
| Orlando | Orange | 111 | 18 | 79.2 | − 1.0 | 96 | 5 | 63 | 2 | 30 | 15.25 | + 8.03 | 2.53 | 0.0 | 17 | 8 | 10 | 12 | se. | Jas. Thompson. |
| Pensacola | Escambia | 149 | 32 | 77.2 | − 2.8 | 93 | 19 | 67 | 1 | 21 | 6.26 | + 1.39 | 1.72 | 0.0 | 13 | 5 | 19 | 6 | s. | U. S. Weather Bureau. |
| Plant City | Hillsborough | 121 | 16 | 79.6 | − 0.4 | 98[a] | 5 | 60[a] | 3 | 34 | 13.43 | + 5.22 | 2.30 | 0.0 | 14 | | | | s. | E. B. Trask. |
| Rockledge | Brevard | 28 | 2 | 78.1 | | 93 | 9 | 63 | 2 | 25 | 10.10 | | 1.96 | 0.0 | 14 | 11 | 7 | 12 | w. | Rev. J. H. White. |
| Rockwell | Marion | 60 | 8 | 79.0[d] | | 94[d] | 7† | 61[d] | 2 | 27 | 10.87 | + 3.94 | 2.05 | 0.0 | | | | | | Dunnellon Phos. Co. |
| St. Andrew | Washington | 14 | 12 | 80.2 | − 0.1 | 91 | 18 | 64 | 12 | 16 | 13.37 | + 8.24 | 5.92 | 0.0 | 17 | 15 | 15 | 0 | s. | W. A. Emmons. |
| St. Augustine | St. Johns | 15 | 60 | 77.6 | − 1.4 | 94 | 3 | 64 | 2 | 28 | 10.44 | + 5.53 | 2.65 | 0.0 | 14 | 13 | 10 | 7 | se. | J. R. Palmer. |
| Sand Key | Monroe | 46 | 6 | | | | | | | | | | | | | | | | | U. S. Weather Bureau. |
| St. Leo | Pasco | 140 | 14 | 78.4 | − 2.4 | 98 | 5 | 61 | 2 | 30 | 13.91 | + 4.70 | 2.07 | 0.0 | 17 | 8 | 11 | 11 | s. | G. Schneider. |
| Satsuma Heights‖ | Putnam | 98 | 2 | 79.8 | | 99 | 5 | 63 | 2 | 33 | 6.07 | | 1.55 | 0.0 | 17 | 9 | 19 | 2 | | The Satsuma Co. |
| Switzerland | St. Johns | 10 | 13 | 78.4 | − 0.3 | 96[a] | 4 | 62[b] | 2 | | 11.34 | + 6.08 | 2.27 | 0.0 | 15 | | | | | W. C. Steele. |
| Tallahassee | Leon | 192 | 23 | 76.6 | − 2.4 | 94 | 3 | 63 | 2 | 28 | 11.03 | + 4.71 | 2.25 | 0.0 | 18 | 11 | 8 | 11 | s. | W. H. Markham. |
| Tampa | Hillsborough | 79 | 20 | 79.2 | + 0.5 | 92 | 18 | 68 | 23 | 22 | 9.15 | + 0.81 | 4.47 | 0.0 | 13 | 9 | 12 | 9 | w. | U. S. Weather Burreau. |
| Tarpon Springs | do | 20 | 25 | 78.4 | − 1.2 | 91 | 19† | 66 | 5† | 22 | 6.13 | − 1.15 | 2.90 | 0.0 | 14 | 13 | 12 | 5 | w. | A. P. Albaugh. |
| Titusville | Brevard | 6 | 15 | | | | | | | | | | | | | | | | | F. M. Taylor. |
| Wausau | Washington | 250 | 10 | 78.6 | − 1.7 | 99 | 18 | 60 | 21 | 34 | 8.71 | + 3.10 | 1.09 | 0.0 | 15 | 3 | 14 | 13 | sw. | Curtis Jones. |
| *Alabama.* | | | | | | | | | | | | | | | | | | | | |
| Alaga | Houston | 105 | 5 | | | | | | | | 9.82 | | 2.78 | 0.0 | 16 | 4 | 12 | 14 | s. | James L. Willis. |
| Anniston | Calhoun | 741 | 19 | 73.4 | − 1.6 | 91 | 4 | 50 | 1 | 33 | 6.72 | + 2.84 | 1.88 | 0.0 | 12 | 5 | 10 | 15 | se. | U. S. Weather Bureau. |
| Ashville | St. Clair | 685 | 17 | 74.6 | − 3.1 | 93 | 18 | 48 | 2 | 36 | 6.49 | + 2.41 | 1.65 | 0.0 | 13 | 15 | 9 | 6 | sw. | George R. Cather. |
| Auburn | Lee | 732 | 28 | 76.5 | − 1.3 | 95 | 3 | 52 | 1† | 37 | 5.63 | + 1.38 | 1.40 | 0.0 | 12 | 11 | 4 | 15 | nw. | Dr. James T. Anderson. |
| Benton | Lowndes | 149 | 9 | | | | | | | | 6.94 | | 3.43 | 0.0 | 8 | 9 | 13 | 8 | e. | S. T. Pruitt. |

TABLE 1.—*Climatological data for June, 1910. District No. 2*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Alabama*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Bermuda | Conecuh | ..... | 23 | 77.2 | − 0.6 | 97 | 4 | 53 | 1 | 34 | 5.06 | + 0.91 | 1.68 | 0.0 | 14 | 9 | 17 | 4 | nw. | M. J. Morris. |
| Birmingham | Jefferson | 700 | 22 | 74.5 | − 3.4 | 90 | 4 | 54 | 1 | 28 | 7.14 | + 3.26 | 1.75 | 0.0 | 10 | 4 | 12 | 14 | s. | U. S. Weather Bureau. |
| Calera | Shelby | 500 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.60 | ..... | 2.05 | 0.0 | 7 | 21 | 1 | 8 | e. | L. G. Privett. |
| Camp Hill | Tallapoosa | 738 | 9 | 75.2 | ..... | 94 | 4† | 54 | 2 | 35 | 5.52 | ..... | 1.60 | 0.0 | 8 | 13 | 12 | 5 | sw. | Dr. Lyman Ward. |
| Cedar Bluff | Cherokee | 594 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8.48 | ..... | 1.64 | 0.0 | 12 | 11 | 12 | 7 | ..... | Joe L. Daniel. |
| Citronelle | Mobile | 331 | 22 | 77.2 | − 2.5 | 93 | 4 | 59 | 1 | 25 | 7.35 | + 2.05 | 1.50 | 0.0 | 17 | 16 | 11 | 3 | n. | George A. Maloney. |
| Clanton | Chilton | 500 | 17 | 75.4 | − 2.1 | 94 | 4 | 50 | 1 | 30 | 5.95 | + 2.64 | 1.94 | 0.0 | 11 | 5 | 1 | 24 | sw. | Wallace C. Edler. |
| Cochrane | Pickens | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.48 | ..... | 2.76 | 0.0 | 6 | 10 | 9 | 11 | e. | E. L. Rose. |
| Cordova | Walker | 334 | 19 | 74.8 | − 2.0 | 93 | 20 | 47 | 1 | 38 | 7.27 | + 2.67 | 1.90 | 0.0 | 9 | 13 | 10 | 7 | s. | Scott Maxwell. |
| Cullman | Cullman | 802 | 2 | 72.0 | ..... | 91 | 18 | 46 | 1† | 38 | 8.01 | ..... | 1.60 | 0.0 | 15 | 16 | 9 | 5 | nw. | Eugene A. Grayot. |
| Dadeville | Tallapoosa | 760 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.69 | ..... | 1.86 | 0.0 | 11 | 12 | 10 | 8 | sw. | Dr. W. B. Fulton. |
| Daphne | Baldwin | ..... | 19 | 77.6 | − 2.4 | 92 | 18 | 62 | 1 | 25 | 7.66 | + 2.36 | 3.00 | 0.0 | 13 | 8 | 9 | 13 | sw. | John H. Young. |
| Demopolis | Marengo | ..... | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.52 | + 0.42 | 1.80 | 0.0 | 9 | 17 | 9 | 4 | sw. | George E. Pegram. |
| Eufaula | Barbour | 200 | 26 | 76.2 | − 2.8 | 98 | 31† | 53 | 1 | 36 | 5.26 | + 1.68 | 1.30 | 0.0 | 13 | 9 | 10 | 11 | se. | Dr. J. B. Whitlock. |
| Evergreen | Conecuh | 285 | 26 | 77.8 | − 0.8 | 98 | 4 | 53 | 1 | 33 | 3.58 | − 2.09 | 1.02 | 0.0 | 10 | 0 | 0 | 21 | s. | Robert L. Whitcomb. |
| Fayette | Fayette | 359 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Charles W. Saunders. |
| Flomaton | Escambia | 91 | 18 | 79.6 | + 0.2 | 96 | 19 | 58 | 1 | 31 | 10.49 | + 5.04 | 2.02 | 0.0 | 11 | 9 | 11 | 10 | s. | T. J. Farris. |
| Fort Deposit | Lowndes | 520 | 26 | 77.6 | − 1.8 | 95 | 4 | 56 | 1 | 30 | 6.63 | + 2.41 | 1.60 | 0.0 | 8 | 11 | 9 | 10 | w. | J. F. Hattemer. |
| Gadsden | Etowah | 621 | 26 | 73.6 | − 3.0 | 90 | 4† | 49 | 2 | 34 | 7.81 | + 3.49 | 2.84 | 0.0 | 9 | 7 | 6 | 17 | e. | D. P. Goodhue. |
| Goodwater | Coosa | 826 | 15 | 74.4 | − 3.8 | 95 | 4 | 49 | 1 | 35 | 4.57 | + 0.66 | 1.10 | 0.0 | 9 | 23 | 0 | 7 | sw. | D. S. Brown. |
| Greensboro | Hale | 220 | 31 | 76.9 | − 1.6 | 93 | 4 | 58 | 1 | 23 | 5.75 | + 1.96 | 1.33 | 0.0 | 12 | 11 | 3 | 16 | w. | W. E. W. Yerby. |
| Greenville | Butler | 444 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8.45 | ..... | 3.55 | 0.0 | 11 | 15 | 0 | 15 | sw. | E. M. Lewis. |
| Hamilton | Marion | ..... | 14 | 75.4 | − 1.4 | 94* | 4† | 48* | 2 | 41* | 6.11 | + 2.42 | 2.00 | 0.0 | 9 | 7 | 9 | 14 | sw. | Prof. H. O. Sargent. |
| Highland Home | Crenshaw | ..... | 18 | 76.4 | − 2.0 | 94 | 3 | 54 | 1 | 32 | 6.30 | + 1.97 | 1.64 | 0.0 | 16 | 6 | 13 | 11 | s. | Prof. Samuel Jordan. |
| Livingston | Sumter | 160 | 26 | 75.8 | − 3.3 | 95 | 4 | 55 | 1 | 28 | 9.67 | + 5.09 | 3.95 | 0.0 | 9 | 20 | 0 | 10 | w. | Robert L. King. |
| Lock No. 4 | Talladega | 510 | 13 | 75.0 | − 2.6 | 95 | 4 | 49 | 1 | 36 | 4.41 | + 0.52 | 1.35 | 0.0 | 10 | 17 | 0 | 13 | e. | U. S. Engineers. |
| Lucy | Houston | ..... | 5 | 77.9 | ..... | 96 | 18 | 52 | 1 | 39 | 7.94 | ..... | 2.61 | 0.0 | 17 | 7 | 14 | 9 | ..... | A. L. Crosby. |
| Maple Grove | Cherokee | ..... | 17 | 74.4 | − 1.9 | 94 | 4† | 48 | 1 | 35 | 8.17 | + 4.48 | 1.32 | 0.0 | 12 | 6 | 20 | 4 | ne. | Mrs. A. L. Awbrey. |
| Mentone | DeKalb | 1,595 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.49 | ..... | 1.40 | 0.0 | 7 | 13 | 2 | 15 | w. | E. Mason. |
| Milstead | Macon | ..... | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.49 | ..... | 2.31 | 0.0 | 13 | 10 | 12 | 8 | e. | Evie Oswalt. |
| Mobile | Mobile | 57 | 38 | 78.3 | − 0.8 | 94 | 18 | 64 | 10 | 24 | 6.49 | + 0.54 | 2.84 | 0.0 | 13 | 12 | 14 | 4 | sw. | U. S. Weather Bureau. |
| Montgomery | Montgomery | 240 | 38 | 77.0 | − 2.1 | 94 | 18 | 59 | 1 | 26 | 7.81 | + 3.60 | 2.42 | 0.0 | 13 | 7 | 15 | 8 | s. | Do |
| Newbern | Hale | ..... | 17 | 76.6 | − 2.8 | 96 | 4 | 53 | 1 | 31 | 6.62 | + 2.74 | 1.44 | 0.0 | 16 | 7 | 20 | 3 | s. | Dr. J. Huggins. |
| Oneonta | Blount | 857 | 16 | 72.4 | − 3.4 | 91 | 4 | 46 | 1† | 35 | 8.22 | + 3.58 | 1.36 | 0.0 | 13 | 11 | 5 | 14 | n. | Aquilla J. Ketchum. |
| Opelika | Lee | 817 | 31 | 76.2 | − 2.4 | 93 | 4 | 54 | 1 | 29 | 4.29 | + 0.11 | 1.00 | 0.0 | 11 | 11 | 3 | 16 | e. | A. H. Read, Jr. |
| Ozark | Dale | 400 | 8 | 76.8 | ..... | 96 | 3 | 55 | 1 | 31 | 7.59 | ..... | 1.90 | 0.0 | 12 | 13 | 11 | 6 | s. | Miss Lucy Sellers. |
| Prattville | Autauga | 281 | 10 | 76.0 | − 2.2 | 93 | 3 | 48 | 1 | 32 | 8.13 | ..... | 2.81 | 0.0 | 9 | 7 | 17 | 6 | s. | Jos. B. Bell. |
| Pushmataha | Choctaw | ..... | 19 | 77.4 | − 1.6 | 99 | 18 | 55 | 1 | 36 | 7.29 | + 2.71 | 2.24 | 0.0 | 13 | 11 | 15 | 4 | sw. | E. A. Carr. |
| Selma | Dallas | 147 | 30 | 76.8 | − 2.4 | 98 | 4 | 51 | 1 | 34 | 7.78 | + 3.74 | 1.96 | 0.0 | 13 | 8 | 11 | 11 | e. | Charles F. Brislin. |
| Spring Hill | Mobile | 312 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Rev. J. B. Franckhauser. |
| Talladega | Talladega | 554 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Ross Bartholomew. |
| Tallassee | Elmore | ..... | 19 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.72 | + 2.66 | 2.06 | 0.0 | 13 | 8 | 7 | 15 | se. | P. A. Noble. |
| Thomasville | Clarke | 335 | 19 | 75.5 | − 4.2 | 96 | 3† | 52 | 1 | 36 | 9.62 | + 5.28 | 1.83 | 0.0 | 14 | 14 | 8 | 8 | se. | J. G. Forster. |
| Troy | Pike | 581 | 2 | 75.4 | ..... | 92 | 19 | 57 | 1 | 27 | 6.68 | ..... | 1.50 | 0.0 | 15 | 10 | 19 | 1 | se. | C. S. Tutwiler. |
| Tuscaloosa | Tuscaloosa | 230 | 29 | 76.2 | − 2.7 | 96 | 18 | 53 | 1 | 34 | 8.16 | + 3.81 | 2.67 | 0.0 | 15 | 15 | 1 | 14 | s. | W. S. Wyman. |
| Tuskegee | Macon | ..... | 10 | 77.4 | − 1.9 | 98 | 4 | 54 | 1 | 35 | 8.32 | + 5.28 | 2.15 | 0.0 | 9 | 2 | 18 | 10 | s. | Prof. George W. Carver. |
| Union Springs | Bullock | 216 | 23 | 76.8 | − 3.6 | 92 | 4 | 56 | 1 | 28 | 5.80 | + 1.61 | 1.10 | 0.0 | 10 | 0 | 27 | 3 | s. | P. L. Cowan. |
| Uniontown | Perry | 273 | 24 | 77.0 | − 2.5 | 97 | 22 | 57 | 1 | 32 | 4.73 | + 0.71 | 1.24 | 0.0 | 10 | 11 | 15 | 4 | sw. | F. D. Stevens. |
| Valley Head | DeKalb | 1,031 | 25 | 72.8 | − 1.6 | 92 | 17† | 43 | 2 | 35 | 7.99 | + 3.05 | 2.00 | 0.0 | 11 | 8 | 18 | 4 | s. | M. T. Floyd. |
| Wetumpka | Elmore | 205 | 18 | 76.9 | − 3.3 | 94 | 4† | 50 | 1 | 33 | 8.03 | + 4.79 | 2.27 | 0.0 | 10 | 14 | 0 | 16 | s. | U. S. Engineers. |
| *Mississippi.* | | | | | | | | | | | | | | | | | | | | |
| Aberdeen | Monroe | 210 | 22 | 75.6 | − 2.5 | 94 | 18 | 55 | 1 | 35 | 9.78 | + 5.17 | 3.10 | 0.0 | 11 | 11 | 8 | 11 | s. | L. D. Godfrey, jr. |
| Agricultural College | Oktibbeha | 424 | 20 | 75.4 | − 3.1 | 95 | 18 | 56 | 1 | 31 | 4.49 | + 0.52 | 1.33 | 0.0 | 12 | 8 | 13 | 9 | se. | S. P. Dent. |
| Bay St. Louis | Hancock | 28 | 17 | 78.0 | − 2.5 | 91 | 17† | 60 | 1 | 27 | 8.73 | + 3.21 | 2.63 | 0.0 | 13 | 15 | 9 | 6 | sw. | Brother Stanislaus. |
| Biloxi | Harrison | 24 | 19 | 79.4 | − 1.2 | 95* | 25 | 63* | 1 | 27* | 4.29 | − 1.91 | 1.97 | 0.0 | 10 | 13* | 9* | 7* | nw. | Miss M. Josie Pope. |
| Booneville | Prentiss | 504 | 16 | 74.6‡ | − 2.7 | 91‡ | 20† | 54‡ | 1 | 30‡ | 5.65 | + 1.54 | 1.74 | 0.0 | 9 | 8‡ | 17‡ | 1‡ | s. | Dr. D. T. Price. |
| Brookhaven | Lincoln | 500 | 22 | 77.6 | − 1.9 | 96 | 19 | 56 | 1 | 34 | 8.74 | + 3.65 | 2.07 | 0.0 | 11 | 14 | 6 | 10 | w. | W. J. Bee. |
| Columbia | Marion | 110 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.64 | ..... | 1.54 | 0.0 | 12 | 17 | 5 | 8 | nw. | N. R. Drummond. |
| Columbus | Lowndes | 191 | 22 | 76.2 | − 3.9 | 95 | 17 | 54 | 1 | 32 | 6.92 | + 2.95 | 2.00 | 0.0 | 11 | 13 | 3 | 14 | ne. | J. B. Love. |
| Crystal Springs | Copiah | 468 | 18 | 76.4 | − 2.8 | 94 | 19 | 58 | 1 | 28 | 4.56 | + 0.50 | 1.27 | 0.0 | 10 | 20 | 10 | 0 | ..... | D. H. Miller. |
| Edinburg | Leake | ..... | 2 | 75.4 | ..... | 94 | 17† | 53 | 1 | 34 | 4.28 | ..... | 2.24 | 0.0 | 8 | 9 | 12 | 9 | s. | J. Y. Blocker. |
| Enterprise | Clarke | 248 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.01 | ..... | 1.50 | 0.0 | 12 | 7 | 3 | 20 | sw. | J. B. Thompson. |
| Fulton | Itawamba | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.78 | ..... | 2.00 | 0.0 | 10 | 11 | 9 | 10 | sw. | A. L. Summers. |
| Hattiesburg | Forest | 180 | 17 | 78.6 | − 2.2 | 96 | 18† | 57 | 1 | 34 | 7.68 | + 2.32 | 1.96 | 0.0 | 11 | 18 | 1 | 11 | n. | T. C. Spence. |
| Hazlehurst | Copiah | 460 | 20 | 76.0 | − 3.1 | 97 | 18 | 55 | 1 | 36 | 6.03 | + 1.02 | 1.25 | 0.0 | 11 | 17 | 4 | 9 | e. | J. D. Granberry. |
| Jackson | Hinds | 280 | 23 | 76.8 | − 2.8 | 94 | 18 | 56 | 1 | 31 | 6.32 | + 2.40 | 1.87 | 0.0 | 11 | 12 | 12 | 6 | s. | B. H. Klyce. |
| Lake | Scott | 446 | 22 | 75.3 | − 2.4 | 93 | 17† | 53 | 1 | 33 | 7.07 | + 2.36 | 3.11 | 0.0 | 10 | 9 | 10 | 11 | ne. | J. A. Freeman. |
| Lake Como | Jasper | ..... | 7 | 74.2 | ..... | 90 | 3† | 52 | 1 | 34 | 9.74 | ..... | 2.80 | 0.0 | 9 | 12 | 15 | 3 | sw. | C. Thigpen. |
| Laurel | Jones | 241 | 6 | 76.5 | ..... | 93 | 18 | 55 | 1 | 32 | 8.53 | ..... | 2.05 | 0.0 | 12 | 16 | 9 | 5 | sw. | Thomas W. Flynt. |
| Leakesville | Greene | ..... | 16 | 78.2 | − 1.7 | 95* | 3† | 58* | 1 | 31‡ | 10.51 | + 4.81 | 3.62 | 0.0 | 15 | 14‡ | 7‡ | 7‡ | ..... | Dr. Sam Pool. |
| Louisville | Winston | 581 | 21 | 75.0 | − 2.3 | 92 | 18 | 56 | 2 | 35 | 5.41 | + 1.02 | 1.68 | 0.0 | 11 | ..... | ..... | ..... | ..... | B. T. Webster. |
| McNeill | Pearl River | 230 | 7 | 77.6 | ..... | 94 | 19 | 60 | 1 | 30 | 10.09 | ..... | 2.32 | 0.0 | 13 | 7 | 19 | 4 | se. | Prof. E. B. Ferris. |
| Macon | Noxubee | 185 | 22 | 75.5 | − 3.7 | 94 | 4† | 55 | 1 | 29 | 6.19 | + 1.79 | 2.23 | 0.0 | 13 | 11 | 10 | 9 | w. | Finis E. Carleton. |
| Magnolia | Pike | 415 | 14 | 77.8 | − 2.0 | 93 | 18† | 57 | 1 | 32 | 8.52 | + 3.39 | 2.20 | 0.0 | 12 | 10 | 13 | 7 | nw. | Miss Ruby V. Roberts. |
| Meridian | Lauderdale | 375 | 20 | 75.0 | − 2.3 | 92 | 18 | 55 | 1 | 32 | 6.77 | + 2.15 | 2.01 | 0.0 | 14 | 7 | 16 | 7 | sw. | U. S. Weather Bureau. |
| Merrill | Greene | 76 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11.62 | ..... | 2.20 | 0.0 | 18 | 15 | 4 | 11 | n. | L. C. Helms. |
| Monticello | Lawrence | 209 | 3 | 77.4 | ..... | 96 | 18 | 55 | 1 | 34 | 9.93 | ..... | 2.10 | 0.0 | 13 | 10 | 9 | 11 | w. | Dr. G. A. Teunisson. |
| Okolona | Chickasaw | 311 | 22 | 75.0 | − 4.8 | 93 | 18 | 57 | 1† | 33 | 8.03 | + 4.53 | 3.00 | 0.0 | 12 | 16 | 5 | 9 | sw. | D. H. Shell. |
| Pascagoula | Jackson | 15 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Tom Swartwout. |
| Pearlington | Hancock | 10 | 22 | 77.4 | − 2.2 | 92‡ | 3† | 61‡ | 1† | 29‡ | 7.53 | + 2.65 | 2.08 | 0.0 | 12 | 8‡ | 13‡ | 7‡ | sw. | Miss Annette Koch. |
| Porterville | Kemper | ..... | 5 | 75.9 | ..... | 95 | 18 | 54* | 10 | 35* | 9.89 | ..... | 4.66 | 0.0 | 11 | 4 | 23 | 3 | sw. | I. S. Rea. |
| Shubuta | Clarke | 197 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.38 | ..... | 2.10 | 0.0 | 12 | 13 | 6 | 11 | s. | Geo. A. Floyd. |
| Waynesboro | Wayne | 191 | 23 | 76.0 | − 3.9 | 95 | 8 | 54 | 1 | 35 | 6.41 | + 1.13 | 2.00 | 0.0 | 13 | 15 | 1 | 14 | s. | R. S. Burke. |
| Woodland | Chickasaw | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.67 | ..... | 1.72 | 0.0 | 13 | ..... | ..... | ..... | ..... | Tallahatchie Drain. Com. |
| *Louisiana.* | | | | | | | | | | | | | | | | | | | | |
| Pearl River | St. Tammany | ..... | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8.21 | ..... | 1.74 | 0.0 | 14 | 22 | 5 | 3 | e. | Geo. F. Bancks. |

*, †, ‡, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
● Precipitation included in that of the next measurement.
●● Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
‖ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Estimated by observer.
‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1910. District No. 2, South Atlantic and east Gulf States.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Virginia.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arvonia | James | | | | | .41 | | T. | | .52 | .60 | .23 | .40 | .59 | .16 | .15 | 1.65 | | | .13 | | .50 | | | .02 | | | | .02 | | | | 5.38 |
| Ashland | do | | | | | .14 | .39 | | | | .34 | .75 | 1.62 | .73 | .31 | | 1.28 | .12 | | .34 | | | 1.32 | | | | | | 1.08 | | | | 8.42 |
| Buchanan‖ | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Callaville | Chowan | | | | | .35 | | | | * | .30 | .69 | .13 | .77 | .70 | .11 | | | .02 | | | | | | 1.41 | | | | .29 | | | | 4.77 |
| Cape Henry | Coast | T. | | T. | | .35 | .23 | T. | | .15 | .35 | .04 | .67 | .84 | .12 | .50 | .24 | | | T. | | T. | T. | | T. | | | | .58 | | | | 4.07 |
| Catawba | Roanoke | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Charlottesville | James | | | T. | | 1.00 | | | | .53 | .55 | 1.09 | .65 | .39 | .90 | 2.65 | 2.12 | | T. | .05 | | .08 | | | .41 | | | | .02 | | | | 8.44 |
| Clarkesville‖ | Roanoke | | | | | .46 | .25 | | | | .28 | .20 | | .64 | 1.64 | .30 | .24 | | | .15 | | | | | | | | | | .10 | | | 4.26 |
| Columbia | James | | | | | .54 | | | | .60 | .45 | .23 | .78 | .65 | .24 | .28 | 1.26 | | .03 | | | .05 | | | .06 | | | | | | | | 5.17 |
| Danville‖ | Roanoke | | | T. | | .58 | .14 | T. | | .03 | .26 | .32 | .63 | .24 | 1.22 | .03 | .40 | .48 | | .02 | T. | | | | | .20 | | | | .60 | | | 5.15 |
| Diamond Springs | Coast | | | | | .55 | .24 | .08 | | .08 | .13 | .05 | 2.00 | .46 | .68 | .83 | .15 | .01 | .02 | | | .43 | .07 | | .01 | | | .08 | .92 | | | | 6.79 |
| Hampton | do | | | | | .34 | .37 | .05 | | .11 | .08 | .19 | 1.21 | .12 | 1.22 | .43 | .15 | .18 | .02 | T. | | .11 | | | | | | | .12 | .47 | | | 5.17 |
| Hot Springs‖ | James | | | | | .67 | .53 | | | | .71 | .48 | .60 | 1.03 | .41 | | 2.06 | .31 | | .92 | | | .22 | | | .02 | | .05 | .65 | | | | 8.66 |
| Ivor | Chowan | | | | | .30 | .41 | .39 | | .31 | .84 | 1.24 | .86 | 1.24 | .68 | .58 | .80 | .50 | | .31 | | .77 | | | | .25 | | | .31 | .12 | | | 9.91 |
| Lassiter | James | | | | | .52 | | | | .45 | .20 | .27 | .29 | .67 | .26 | .10 | .65 | | .10 | | | 1.56 | | | | | | | | | | | 5.07 |
| Lexington | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lynchburg | do | | T. | | .01 | .56 | | | | .25 | .97 | .04 | .57 | .34 | .10 | 2.20 | .03 | | | .60 | | .78 | | | T. | | | T. | .14 | | | | 6.59 |
| New Castle‖ | do | | | | | 1.14 | | | .41 | 1.04 | 1.21 | .10 | 1.45 | 1.64 | 1.19 | .57 | 1.18 | | | .14 | .06 | | | | | | | .04 | | | | 10.47 |
| Newport News | Coast | | | | | .31 | .37 | .13 | .01 | .14 | .16 | .44 | 1.26 | 1.16 | .11 | .74 | .16 | .05 | .01 | .03 | | .62 | | | .08 | | | | .23 | .06 | | | 6.07 |
| Norfolk | do | | | T. | | .45 | .13 | .05 | | .07 | .24 | T. | 1.91 | .89 | .34 | .88 | .19 | .03 | .10 | .09 | | .85 | | | T. | | | | .85 | | | | 7.07 |
| Petersburg | James | | | | | | .40 | | | .10 | .15 | .49 | .55 | 1.30 | 1.05 | .33 | .10 | | T. | T. | | | | | | | | | .47 | T. | | | 4.94 |
| Randolph‖ | Roanoke | | | | | | .42 | .04 | | .26 | .24 | .26 | .18 | .50 | .78 | .12 | 1.04 | .22 | | | | | | | | | | | | .74 | | | 4.80 |
| Richmond | James | | | T. | | .40 | .20 | T. | | .30 | .34 | .01 | .35 | .91 | 1.58 | .32 | .17 | .07 | .42 | | .11 | | | | | | | | .41 | T. | | | 5.67 |
| Rocky Mount | Roanoke | | | | | .66 | | | | .14 | .68 | .20 | 1.46 | .84 | .16 | .38 | .65 | | | | | .92 | | | .22 | | | | | | | | 6.29 |
| Saxe | do | | | | | .45 | | | | .35 | .42 | | 1.41 | .82 | .66 | | 2.00 | | | .17 | | | | | .08 | | | | 2.00 | | | | 8.36 |
| Spottsville (near) | Chowan | | | | | .35 | .20 | | | .32 | .28 | .90 | .82 | .74 | .72 | .30 | .60 | T. | .22 | | .37 | .23 | | | .08 | | | | .60 | | | | 6.73 |
| Williamsburg | James | | | | | .40 | | .50 | | .05 | .50 | .80 | .25 | .72 | .26 | .20 | | .72 | | .10 | | .50 | | | | | | | .15 | | | | 5.15 |
| *North Carolina.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beaufort | Bogue Sound | | | | | | 1.16 | .29 | | | | .83 | 1.42 | .20 | .71 | .21 | 1.09 | | | | | | | | | 1.04 | | | | | | | 6.95 |
| Belhaven | Pungo | | | | | .36 | 1.60 | .13 | | | .28 | 2.59 | .95 | .83 | 1.03 | 1.24 | .56 | .43 | | | | | | | .91 | | | | | | | | 10.91 |
| Brewers | Pedee | | T. | | T. | .89 | .02 | | T. | .13 | 1.00 | .89 | 1.84 | 2.32 | .04 | .48 | .04 | | | .14 | | | .05 | .03 | 2.46 | | | | .09 | .50 | | | 10.92 |
| Caroleen | Santee | | | .24 | | 1.10 | | | | T. | .35 | | .50 | 1.33 | | 1.18 | T. | | | | .15 | | .45 | .02 | | | | | | 1.01 | .03 | | 6.36 |
| Chalybeate Springs | Cape Fear | | | .03 | | 1.02 | .62 | | T. | .70 | .31 | | .43 | .93 | .41 | .70 | .20 | T. | | | T. | | .58 | | | .27 | | | | | | | 6.20 |
| Chapel Hill | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Charlotte | Santee | T. | .04 | .05 | | 1.29 | .07 | | T. | .07 | .88 | .05 | .41 | .96 | 1.91 | .35 | T. | | | .92 | | .08 | | | .43 | | | | | .06 | .57 | | 8.14 |
| Chimney Rock | do | | .15 | .15 | .15 | .50 | .03 | | | 09 | 1.22 | | .66 | .91 | .47 | .08 | | | | | | | .04 | .09 | .28 | | | | .87 | .69 | | | 6.23 |
| Clinton | Cape Fear | | .09 | | | 2.30 | | | T. | .10 | .85 | .30 | .55 | .62 | .93 | .65 | .30 | | | | .35 | .28 | .18 | .55 | 1.05 | | | | | .10 | T. | | | 9.20 |
| Durham (near)‖ | Neuse | | | | | .96 | .05 | | | | .52 | | .50 | .83 | .52 | 1.42 | .06 | | | | | .17 | | | .85 | | | | | | | | 5.88 |
| Eagletown | Chowan | T. | | | | 1.37 | .26 | .15 | | .65 | .38 | 1.07 | .73 | .58 | .33 | .84 | .12 | | | | | | | | 1.73 | .25 | | | | .25 | | | | 8.71 |
| Edenton | Albemarle Sound | | | | | 1.00 | | | | .10 | .45 | .65 | 2.50 | 2.40 | .10 | 1.00 | .10 | .18 | .10 | | | | .40 | | | .45 | | | | | | | 9.43 |
| Fayetteville‖ | Cape Fear | | | .09 | | .15 | 1.70 | .02 | | | .31 | 1.54 | .02 | 1.58 | .10 | 1.30 | .26 | .02 | | | | .51 | .08 | | | 2.28 | | | | | | | 9.97 |
| Goldsboro‖ | Neuse | | | T. | | | 1.20 | .23 | .01 | | .05 | .42 | .05 | 1.20 | .75 | .57 | .80 | .16 | | | | T. | .25 | .13 | T. | .55 | | | | | | | 6.37 |
| Graham‖ | Cape Fear | | | | | .27 | .30 | .03 | | .02 | .03 | 1.01 | .36 | .55 | 2.08 | .19 | .12 | .05 | | | | | | | | .80 | | | | | | | 6.41 |
| Greensboro‖ | do | | | | | .25 | .35 | | | | .25 | .31 | .60 | .34 | 2.60 | .85 | .08 | .05 | | | | | | | | .09 | | | | | | | 5.77 |
| Greenville‖ | Tar | | | | | T. | 1.02 | .84 | | | 2.01 | .22 | .08 | .42 | 1.14 | .90 | .42 | .29 | | | | | | | .03 | .14 | | | | | | | 7.51 |
| Hatteras | Pamlico Sound | T. | | .17 | | .20 | .50 | | | .70 | | .28 | .20 | .18 | .09 | | .22 | | .06 | | | | | | .35 | | | | | | | | 2.95 |
| Henderson | Tar | | | | | 1.01 | .10 | | T. | .32 | .82 | .03 | 1.02 | .42 | 1.21 | .82 | .11 | | | T. | 1.13 | | | | 1.32 | | | | .23 | | | | 8.54 |
| Kinston | Neuse | | | .02 | | .39 | 1.69 | | | | .07 | 1.17 | .16 | .90 | .20 | .90 | .12 | | | | | | .22 | .16 | | 1.85 | | | | .10 | .10 | | 8.05 |
| Lenoir | Santee | | | | | .66 | | | | .05 | .91 | 1.38 | 3.60 | .22 | 1.50 | .05 | .12 | | | | .03 | | | .28 | .04 | | | | | .15 | | | 8.99 |
| Lexington | Pedee | | | | | .75 | .05 | | | | .35 | .20 | .25 | .65 | 1.60 | .40 | .06 | | | | .10 | | | | .05 | | | | | | | | 4.46 |
| Lincolnton | Santee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Louisburg‖ | Tar | | | | | .10 | 2.50 | | | | 1.40 | 1.60 | | 1.10 | .51 | .80 | 1.52 | .20 | | | | .11 | | | | .88 | | | | .40 | | | 11.12 |
| Lumberton‖ | Lumber | | | .01 | | T. | 2.16 | .03 | T. | T. | T. | 1.67 | .41 | 1.14 | .15 | .70 | .42 | | | | | | | | | .86 | | | | | .20 | | 7.89 |
| Manteo | Roanoke Sound | | | | | | .23 | .40 | | | 2.00 | | .66 | .64 | .40 | .52 | | | | | | | | | .23 | | | | | | | | 5.08 |
| Marion | Santee | T. | T. | | | .69 | .01 | | | .03 | 1.38 | .21 | .84 | 1.28 | .69 | .43 | .02 | .13 | | | 1.77 | .61 | T. | .03 | .01 | | | | | .30 | | | | 8.43 |
| Moncure‖ | Cape Fear | | | .01 | | .30 | 1.03 | .03 | | .05 | .28 | .91 | .34 | .85 | .60 | 1.50 | .12 | | | | | | .22 | | | .15 | | | | | | | 6.39 |
| Monroe | Pedee | | | | | .40 | .56 | | | .17 | .71 | .78 | .56 | .53 | 1.66 | .25 | | | | .15 | | .07 | .17 | | | | | | | | .12 | | 6.15 |
| Morganton | Santee | T. | | T. | | .47 | | T. | | .03 | 1.50 | | 1.02 | 1.01 | .04 | 2.01 | .08 | .02 | | .79 | T. | | T. | | | | | | | .35 | | 7.32 |
| Mount Airy | Pedee | | | .03 | | .87 | .05 | | | .10 | .47 | .10 | .87 | 3.31 | T. | 1.04 | .05 | | | 1.07 | | | | T. | .56 | | | | .22 | .09 | | | 8.83 |
| Mount Holly‖ | Santee | | | .20 | | .50 | .16 | .06 | | | .04 | .20 | .42 | .72 | 2.08 | .54 | .32 | | | | .08 | | | | | .28 | | | | .32 | | | 5.92 |
| Nashville‖ | Tar | | | | | .05 | 1.98 | .18 | | | .03 | 1.32 | .25 | 1.04 | .33 | 2.18 | .21 | .22 | | | | .20 | | .10 | | .04 | | | | T. | | | 8.73 |
| Newbern‖ | Neuse | | T. | .15 | .08 | | 1.90 | .12 | .31 | | .16 | 2.20 | .77 | .80 | .90 | 1.70 | 2.27 | .06 | | | | | .02 | 2.60 | | 2.29 | | | | | | | 16.33 |
| Pinehurst | Lumber | | .20 | | | .75 | .85 | | | 1.70 | .55 | .45 | .45 | 1.50 | .40 | .45 | | T. | | | | | | | | .25 | | | | T. | T. | | 7.50 |
| Pittsboro | Cape Fear | | | | | 3.10 | | | | .10 | .40 | .50 | .60 | 1.10 | .30 | .40 | | | | | | | | | | | | | | | | | 6.50 |
| Raleigh | Neuse | | | | | 1.57 | .17 | | | 1.41 | .64 | | .45 | .54 | 1.71 | .73 | .07 | | | | .03 | .11 | .26 | | .18 | | | | | | | | 7.87 |
| Ramseur | Cape Fear | | | | | 1.40 | 1.08 | .01 | | | .80 | .15 | .30 | .68 | 1.17 | .53 | .12 | .03 | | | | | | | | .10 | | | | | | | 6.37 |
| Randleman‖ | do | | | | | .46 | .64 | .31 | | | .06 | .67 | .37 | .50 | 1.94 | 1.06 | .04 | .04 | | | | | | | | .12 | | | | | | | 6.21 |
| Reidsville‖ | do | | | | | 1.20 | .23 | | | .04 | .37 | .72 | .43 | .38 | 2.14 | .06 | .04 | .20 | | | | | .10 | | | .80 | | | | .50 | | | 7.21 |
| Rockhouse | Savannah | T. | .71 | | | 1.75 | | | T. | .02 | .14 | .22 | .56 | .93 | .43 | .13 | | | | .34 | T. | T. | .13 | .04 | .17 | .03 | | | | .21 | .87 | | 6.62 |
| Rockingham | Pedee | .05 | | | .25 | 1.40 | | | .80 | .55 | 1.35 | .25 | 1.66 | .10 | .50 | .15 | | | | | | | .30 | | | | | | | | | | 7.36 |
| Roxboro | Roanoke | | .01 | | | .53 | .30 | | .10 | .16 | .28 | .02 | .50 | 2.05 | .36 | .76 | .17 | | | | | | | | | | | | | | | | 6.44 |
| Salem | Pedee | | | | | .80 | | | | | 1.08 | | .83 | .85 | .28 | .20 | | | | 2.10 | | | | | .30 | | | | | | | | 7.15 |
| Salisbury‖ | do | | .68 | | | .74 | .30 | | | | | .26 | .58 | .34 | 2.20 | .80 | | | | | .03 | | .05 | | | .98 | | | | .19 | | | 5.53 |
| Saxon‖ | Roanoke | | | | | .93 | | | | .50 | .85 | .65 | .33 | .94 | | .15 | | | | | | | | | .48 | | | | .70 | | | | 6.02 |
| Scotland Neck | Tar | | | | | 1.18 | .46 | .11 | | .31 | .20 | 1.05 | .57 | .64 | .43 | .52 | .20 | .04 | | | | | | | .25 | .06 | | | | | | | 8.70 |
| Selma | Neuse | | | | | .65 | .40 | | .80 | .60 | 1.60 | T. | .60 | | .75 | .40 | .20 | .35 | | | .30 | | | | 1.95 | | | | | .10 | | | 7.63 |
| Settle | Pedee | | | | | .70 | T. | | | T. | 1.60 | | 2.10 | 1.52 | .28 | .41 | T. | | | .12 | .20 | | | | .60 | | | | | .10 | | | 8.07 |
| Sloan | Cape Fear | | | .05 | | | 1.92 | .09 | .09 | T. | T. | .29 | .80 | .77 | .60 | 1.45 | .17 | | | | | .18 | .18 | | 1.44 | | | | | | .04 | | 6.05 |
| Snow Hill | Neuse | | | | | | .20 | 1.01 | .04 | | .45 | .18 | .20 | .18 | 1.63 | .24 | .88 | .26 | | | | | .18 | | .60 | | | | | | | | |
| Southern Pines | Cape Fear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Southport | do | | .04 | .42 | | | 1.14 | | .68 | .08 | | .23 | .50 | 1.40 | .42 | 1.28 | .09 | | | | | .18 | | | | 1.83 | | | | .10 | .03 | | 8.42 |
| Statesville | Pedee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tarboro‖ | Tar | | | | | .14 | 1.01 | 1.95 | | | | .98 | .47 | 1.31 | .20 | .48 | .39 | .28 | | | | | | | | .13 | | | | | | | 7.34 |
| Troy | Pedee | | | T. | | | 1.37 | | | .08 | .95 | .29 | .10 | .50 | .38 | .22 | | | | | | | | | T. | | | | | | | | 3.89 |
| Weldon‖ | Roanoke | | | | | .07 | 1.67 | .20 | | .08 | .63 | 1.24 | .15 | 1.57 | .56 | .97 | .60 | 1.18 | | T. | | .08 | | | | .65 | | | | .35 | | | | 10.00 |
| Whiteville | Waccamaw | | | | | T. | 2.45 | | .19 | .30 | .11 | T. | .56 | .34 | .55 | .75 | | | | | 2.50 | | .03 | | .65 | | | | .08 | T. | | | 8.51 |
| Willard | Cape Fear | | | | | | 2.08 | .53 | | | | .23 | .36 | .64 | .30 | .65 | .20 | | | | .04 | .40 | .40 | | .94 | | | | .46 | .33 | | | 7.65 |
| Wilmington | do | | T. | T. | | | 1.63 | .14 | .03 | T. | .01 | T. | 1.63 | .83 | .18 | 2.00 | | | | | | .16 | | | .79 | .05 | | | .03 | .04 | | | 7.52 |
| Yanceyville | Roanoke | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *South Carolina.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aiken | Edisto | | | .25 | | .75 | | | .85 | .40 | .30 | | .25 | .75 | .90 | | | | | | | | | | | | | | | 1.90 | .25 | | 6.60 |
| Allendale‖ | Savannah | | | 1.35 | | | .95 | .20 | | | 1.07 | .56 | .34 | .47 | | 1.30 | .15 | | | | | | .08 | | 1.92 | | | | | 1.48 | | 9.87 |
| Anderson | do | | .02 | .51 | | .50 | .17 | | | | .48 | | .96 | .57 | .03 | .28 | | .03 | | .79 | .25 | .05 | .04 | | | | | | | 1.73 | .05 | | 6.46 |
| Batesburg‖ | Edisto | | | .55 | | .02 | .48 | | | T. | | .98 | .30 | .62 | .96 | .67 | .90 | | | | | .81 | .48 | .40 | .11 | | | | | | 2.15 | | 9.43 |
| Beaufort | Ocean | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blackville‖ | Edisto | | .69 | | | 1.28 | | | .28 | | .61 | .12 | .06 | .95 | .07 | 1.15 | .11 | | | | | T. | .01 | .11 | .07 | .60 | | | .08 | 1.85 | .05 | | 8.09 |
| Blairs‖ | Broad | | | .56 | | .18 | 1.38 | | | | | | .50 | .06 | .54 | 2.30 | 1.58 | | | | .04 | 2.06 | | | | .80 | | | | .18 | .20 | | 10.38 |
| Bowman | Edisto | | .37 | | | 2.20 | | .15 | .11 | .07 | .18 | .14 | .20 | .27 | .18 | .28 | | | | | | | .78 | .21 | .63 | .28 | | | .40 | .32 | .28 | | 7.05 |
| Calhoun Falls‖ | Savannah | | .70 | | | .90 | | | | | | .40 | .20 | .45 | .50 | .30 | | | | | | | | | | | | | 1.60 | | 1.10 | | 6.15 |
| Camden | Wateree | | | .30 | | .04 | 1.88 | .16 | | .08 | .92 | 1.16 | .20 | .68 | .38 | .40 | .10 | | | | | .06 | | .30 | | | | | | .02 | | | 6.68 |
| Catawba‖ | Catawba | | .16 | | | | 1.00 | .25 | | | | .14 | .80 | 1.12 | .62 | .42 | .68 | .02 | T. | | .16 | | | | | | | | | | .20 | | 5.57 |
| Chappells‖ | Saluda | | | | | | .18 | 1.90 | | | | .44 | | .76 | .84 | .80 | | | | | | | | | | | | | | | .94 | | 5.86 |
| Charleston | Ocean | | | .60 | | | .18 | .03 | T. | | .26 | .10 | .93 | .35 | .31 | .53 | | | | | | | | T. | .02 | T. | .03 | | | .02 | .59 | | 3.95 |
| Cheraw‖ | Pedee | | .02 | .02 | | .40 | 1.66 | .06 | | T. | 1.42 | .65 | .39 | 1.50 | .34 | .53 | .10 | | | | T. | | | | | .20 | | | | | .03 | | 7.32 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 2*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *South Carolina*—Cont'd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clemson College | Savannah | | | .72 | | .74 | .86 | | | | 1.30 | | 1.12 | .40 | | .13 | | .11 | | .29 | | .02 | .31 | | | | | | | 1.05 | .33 | | 7.38 |
| Columbia | Congaree | | .26 | .10 | | .17 | .16 | T. | | .60 | .45 | .15 | .17 | .49 | .30 | 1.02 | | | | | .04 | .04 | .55 | | .34 | | | | | .92 | .88 | | 6.64 |
| Conway[1] | Waccamaw | | T. | .70 | | | .79 | .15 | | .96 | .20 | T. | .15 | 2.05 | .15 | 1.22 | .06 | | | | | .83 | T. | | T. | .98 | T. | | | | | | 8.24 |
| Darlington | Pedee | | | .10 | | .01 | 2.70 | .02 | | .60 | .25 | 1.23 | .02 | .90 | 1.16 | 1.13 | .08 | | | | | .25 | | | | | | | .33 | 1.80 | .16 | | 9.74 |
| Dillon | Little Pedee | T. | | .15 | | T. | 2.73 | .09 | .55 | .27 | 1.12 | .01 | 1.15 | .57 | .31 | 1.44 | | | | | | .05 | | | | .68 | | | | .07 | .23 | | 9.42 |
| Effingham[1] | Lynches | | | | | | 1.70 | T. | | 2.10 | .94 | .97 | .80 | .70 | .40 | 1.08 | .30 | | | | | | T. | T. | | T. | | | | | | | 8.99 |
| Ferguson[1] | Santee | | | .52 | | | 2.03 | .29 | | | | | | .70 | | 1.75 | | .51 | | | | | .83 | | | 1.21 | | | | | .65 | | 8.49 |
| Florence[1] | Pedee | | .04 | .08 | | | 2.40 | .12 | | .64 | .20 | .41 | | .90 | .16 | 1.05 | .47 | | | | | .42 | .08 | | | .15 | | | | | 1.42 | | 8.24 |
| Georgetown | Coast | | .95 | | | | .90 | | | .23 | | | 2.00 | .93 | 2.26 | 1.50 | | | | | .30 | | | 1.18 | .20 | | | | | | 1.86 | | 12.31 |
| Greenville[1] | Saluda | | | .50 | | .89 | .96 | | | | .05 | 1.12 | .62 | .43 | .16 | .06 | .46 | T. | | | .14 | .02 | | T. | | | | | | 1.25 | .13 | | 6.69 |
| Greenwood[1] | ...do | | | .33 | | | 1.58 | | | | | .42 | .60 | .61 | .27 | .38 | .09 | | | | | | | | | | | | | | .46 | | 4.74 |
| Heath Springs | Wateree | .01 | .22 | | | 1.40 | | | .42 | .10 | .73 | .30 | .30 | 1.30 | .44 | .40 | | | | | T. | .20 | | | | | | | | .80 | | | 6.62 |
| Jacksonboro | Combahee | | | 1.00 | | | .10 | .08 | | 1.50 | | .89 | .66 | 1.08 | .45 | .90 | | | | | | | T. | | .34 | .32 | | | .34 | .14 | .45 | | 8.25 |
| Kingstree[1] | Black | | | .34 | | | 1.05 | .10 | .24 | | .20 | .05 | .18 | .76 | .74 | 1.00 | .40 | | | | | 1.60 | 1.00 | | | .62 | | | | | .65 | | 8.93 |
| Liberty | Savannah | T. | .40 | .10 | | 1.60 | .30 | | T. | .02 | 1.40 | .25 | 1.10 | | T. | .10 | | .20 | | .80 | | .04 | .02 | .02 | T. | | | | | 1.70 | .10 | | 8.15 |
| Little Mountain | Saluda | | .02 | | | 1.10 | .60 | .15 | .10 | .19 | .25 | .17 | .32 | .86 | 1.32 | .13 | | | | | | | .12 | .82 | | .20 | | | | 1.40 | .63 | | 8.38 |
| Newberry | ...do | | T. | .35 | | .59 | 1.39 | | T. | .06 | .80 | | .11 | 1.00 | 1.15 | .21 | .02 | | | T. | | .94 | | .05 | | .10 | | | | 2.40 | .37 | | 9.24 |
| Pelzer[1] | ...do | | | .66 | | .28 | .50 | | | | | .36 | .80 | .30 | .28 | .06 | | | | | .52 | .10 | | T. | | | | | | .88 | | | 4.74 |
| Pinopolis | Cooper | | | | | | .45 | | | | | | | | | .97 | .70 | 1.31 | | | | .35 | | | .76 | | | | | | | | 4.54 |
| St. George[1] | Edisto | | | .40 | | | .80 | | | | | .40 | .10 | .10 | .44 | .23 | 1.76 | .46 | | | | | .02 | .76 | .02 | .99 | .75 | .25 | | | | | 7.48 |
| St. Matthews[1] | Santee | | | .35 | | | 1.72 | | | | | | 1.20 | .30 | .68 | .12 | 1.05 | .10 | | | | .07 | .50 | .33 | | .72 | | | | 2.32 | | 9.46 |
| Saluda | Saluda | | | .46 | | .60 | .59 | T. | T. | .20 | .26 | | .25 | 1.60 | 1.03 | .28 | .24 | | | | T. | .67 | | | .01 | .61 | | | | 1.94 | 1.86 | | 10.60 |
| Santuc | Broad | | T. | .45 | | .46 | .68 | | | .19 | .60 | T. | .12 | .81 | .38 | 1.03 | | | | | | .36 | .85 | | | | | | | .05 | 1.44 | | 7.42 |
| Smith Mills[1] | Pedee | | | .42 | | | 1.10 | | | .23 | .18 | .11 | T. | 1.98 | .33 | .66 | .44 | | | | | | .15 | .09 | | .10 | | | | | | | 5.79 |
| Society Hill | ...do | | .14 | | .20 | 1.98 | .69 | | .09 | 1.35 | .51 | .91 | | 1.55 | .21 | .86 | .09 | | | | | .03 | | | .49 | | | | | .10 | .47 | | 9.20 |
| Spartanburg[1] | Broad | | | .20 | | .52 | .70 | | | .17 | .46 | 1.00 | .65 | 1.10 | 1.15 | .14 | | | | | T. | T. | .25 | 2.03 | .03 | .12 | | | | .93 | T. | | 9.45 |
| Summerville | Ashley | | | .45 | | | .39 | | .01 | 1.65 | .06 | .07 | .68 | 1.02 | .24 | .79 | | | | | | | .10 | .45 | .40 | .20 | T. | | .01 | .11 | .69 | | 7.32 |
| Trenton | Edisto | | T. | .49 | | T. | .86 | | | T. | .50 | 1.01 | .20 | 1.44 | .69 | .33 | .07 | | | | | .15 | .80 | T. | .14 | T. | T. | | | 1.33 | 1.10 | | 9.11 |
| Trial | Santee | T. | .45 | | | | 1.70 | .17 | | .66 | .05 | 1.03 | .32 | .24 | | 1.80 | .07 | | | | | 1.00 | | .08 | .26 | | | | .01 | .10 | T. | | 7.94 |
| Walhalla | Savannah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Walterboro | Ashepoo | | | .75 | | | .32 | | .01 | 1.11 | | .20 | .29 | .53 | .34 | 1.80 | | | | | | | .57 | T. | .78 | 1.23 | | .06 | | .14 | .18 | | 8.31 |
| Winnsboro | Broad | | .80 | | .25 | 2.00 | T. | | | | .60 | .50 | .55 | .68 | 1.00 | T. | | | | T. | .60 | .10 | | .52 | .23 | | | | .13 | .20 | .60 | | 8.76 |
| Winthrop College | Catawba | T. | | .15 | | .56 | .58 | .35 | | T. | .97 | | .56 | .53 | .70 | .18 | | | | T. | .13 | T. | .16 | | | | | | | .03 | T. | | 4.90 |
| Yemassee[1] | Combahee | | | 1.01 | | | .32 | | | .83 | 1.32 | .14 | 1.50 | .36 | .19 | .81 | .23 | | | | | | .73 | | .65 | .30 | .09 | | | | | | 8.48 |
| *Georgia.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abbeville[1] | Ocmulgee | | | | | * | .24 | .36 | .18 | .12 | * | .10 | .68 | .78 | .44 | 1.10 | .42 | | | | * | .54 | .12 | .20 | | * | .06 | .16 | | T. | .12 | 1.38 | | 7.60 |
| Adairsville[1] | Coosa | | | .06 | | 1.14 | .78 | | | .01 | .64 | .54 | .04 | .34 | | .05 | .01 | | | | | | .45 | .03 | | | .03 | | | | .63 | .25 | | 5.00 |
| Albany[1] | Flint | | | | | * | .48 | 2.44 | .64 | | * | .60 | .13 | .27 | .54 | 1.26 | .35 | | | | | .04 | .06 | .16 | .36 | .05 | * | .12 | T. | .02 | * | .70 | | 9.12 |
| Allapaha[1] | Allapaha | | | | | | .89 | .26 | | * | .09 | 1.02 | .56 | 1.52 | 1.08 | 1.23 | .27 | | | | | | .04 | | | | * | 1.15 | * | .43 | * | .25 | | 8.79 |
| Americus[1] | Flint | | | | * | T. | .93 | | | | * | .72 | * | .40 | 2.00 | 1.10 | .30 | | | * | .55 | * | .60 | .12 | | | .45 | | | | .26 | | 7.43 |
| Athens[1] | Oconee | | * | .47 | | * | .80 | | | * | .07 | .70 | 1.04 | .60 | .05 | .25 | .07 | | | | | * | .80 | | | | | | * | .83 | 2.60 | | 8.28 |
| Atlanta | Chattahoochee | T. | T. | | | .79 | T. | | | T. | .33 | .54 | T. | .82 | .05 | .01 | | | | | | .74 | .08 | T. | T. | | | | .13 | 1.04 | .67 | | 5.20 |
| Augusta | Savannah | | .68 | | | .45 | .13 | .27 | .03 | T. | .42 | .07 | .19 | .62 | .34 | .77 | .01 | | | | | .16 | | | .57 | .05 | .09 | | | | .72 | .45 | | 6.02 |
| Bainbridge[1] | Flint | | | | | | 1.10 | .67 | T. | .03 | .07 | .52 | .02 | .70 | 1.60 | .17 | .24 | | | | | | .25 | .15 | .40 | T. | | 1.85 | T. | .42 | .04 | 1.22 | | 9.47 |
| Barnesville | ...do | | | | | | 1.39 | | | | .27 | .16 | .55 | .18 | .24 | .43 | | | | | | | | .14 | | 1.24 | | | | .48 | .60 | | 5.68 |
| Blakely | Chattahoochee | | | | | .56 | .48 | .16 | | | 1.45 | T. | .38 | | .10 | .51 | | | | | .30 | .55 | .30 | | | .21 | .09 | .04 | T. | .12 | 1.46 | | 6.71 |
| Brunswick | Altamaha | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Butler[1] | Flint | | | | | * | 1.27 | | * | .32 | * | .30 | .95 | .27 | * | .33 | .60 | | | * | .20 | * | .18 | .80 | | * | .53 | | | * | .35 | | 6.13 |
| Camak[1] | Savannah | | | .15 | | * | .80 | | | * | .20 | .44 | * | 1.10 | 1.47 | .50 | .10 | | | | | * | .35 | | | | | | * | .35 | .60 | | 6.36 |
| Canton | Coosa | | * | .11 | | .64 | .41 | | | * | .57 | .01 | 1.23 | | * | T. | .58 | | | | * | .01 | T. | .12 | * | .45 | | | | * | .93 | | 5.08 |
| Carlton[1] | Savannah | | * | .86 | | * | .81 | | | * | .35 | .51 | 2.40 | .33 | .12 | .20 | .07 | | | | * | .98 | .59 | * | .24 | .10 | | | | * | .40 | 1.38 | | 9.34 |
| Carrollton | Chattahoochee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clayton | Savannah | T. | .73 | | | 1.40 | .75 | | T. | T. | .18 | .90 | | .79 | .65 | .16 | | | T. | T. | T. | T. | .11 | .55 | .02 | | | | | .30 | .64 | | 7.18 |
| Columbus[1] | Chattahoochee | | | | | | .64 | .02 | T. | .23 | .02 | .60 | .30 | .04 | .03 | .15 | | | | | .03 | .10 | .55 | .10 | .09 | | .05 | .06 | | | .08 | | | 3.09 |
| Covington[1] | Ocmulgee | | | | | * | 1.00 | | | | * | .50 | 1.75 | .60 | * | 1.73 | | | | | | * | .10 | * | .90 | | | | | * | .50 | | 7.08 |
| Cuthbert[1] | Chattahoochee | | | | | .50 | | | | | .75 | | .22 | | 1.21 | | | | | | | 1.07 | .92 | | | 1.00 | .10 | | | | .45 | | | 6.22 |
| Dahlonega | ...do | | .04 | .81 | | 2.24 | 1.20 | | | T. | .43 | .15 | .87 | T. | | .04 | | | | | | T. | .06 | .98 | .08 | | | | * | .40 | .27 | | 7.57 |
| Diamond | Tennessee | T. | 1.10 | | * | 2.43 | .38 | | T. | .04 | .94 | .11 | 1.00 | .15 | T. | .19 | | | | | .02 | T. | .02 | | 1.30 | | | | T. | .72 | .11 | | 8.51 |
| Douglas | Satilla | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dublin[1] | Oconee | | | | | * | .40 | .10 | * | .16 | .06 | .20 | .10 | .64 | .22 | 2.40 | .12 | | | | | T. | 1.02 | .06 | | .34 | | | | * | 1.74 | | 7.56 |
| Dudley | ...do | | | | | | .92 | | .27 | .03 | | T. | .38 | .60 | .38 | 4.63 | | | | | T. | .45 | T. | | | T. | | | | .50 | .43 | | 8.59 |
| Eastman[1] | Ocmulgee | | | | * | T. | .21 | .14 | T. | .38 | T. | .22 | .32 | 1.29 | .55 | 1.42 | .27 | | | | * | T. | .24 | | | * | .11 | | | * | 1.22 | | 6.37 |
| Eatonton | Oconee | | | | | .67 | .62 | | | | .33 | .36 | 1.01 | .30 | .31 | .28 | .07 | | | | | 1.50 | .05 | | | .09 | | | | 1.10 | 1.90 | | 8.59 |
| Elberton | Savannah | | | .55 | | .22 | .40 | | | | 1.05 | | 1.11 | .85 | .18 | | | | | | | .66 | | | .10 | T. | | | | 2.60 | .20 | | 7.32 |
| Experiment | Chattahoochee | | T. | | | .24 | .30 | | | | 1.05 | .06 | .95 | .26 | .12 | .12 | | | | | .08 | .15 | | | .14 | | .08 | | | T. | .64 | | 4.19 |
| Fort Gaines[1] | ...do | | | | | | .62 | | .30 | | .40 | .85 | .12 | .25 | | 2.25 | | | | | | | .58 | | | | .20 | | .05 | .08 | .20 | | 5.10 |
| Gainesville[1] | ...do | * | .05 | .78 | | * | .86 | | | * | .10 | .58 | 2.37 | * | .25 | | | | | | | * | .30 | | | | | | * | 1.30 | .40 | | 6.59 |
| Gillsville | Oconee | .07 | T. | 1.11 | | .72 | .06 | | T. | | .20 | .20 | .91 | 1.20 | .32 | | | | | | | T. | .05 | | | | | | | 1.21 | .19 | | 6.24 |
| Glennville[1] | Altamaha | | | | | | .34 | T. | .02 | .45 | .38 | .99 | 1.12 | .26 | .88 | .92 | | | | | | | .42 | | | 1.00 | .71 | T. | .04 | .01 | .21 | | 7.75 |
| Gore | Coosa | | T. | | | 1.53 | .03 | | | .09 | .51 | .47 | .16 | .11 | .29 | | | | | | .39 | .08 | | T. | .28 | | | | 1.83 | .37 | 1.48 | | 7.62 |
| Greensboro[1] | Oconee | | * | .08 | | * | 1.30 | .06 | | * | .30 | .08 | .82 | .68 | .12 | .46 | 1.08 | | | | | * | .10 | | | | | | | * | 1.08 | | 6.16 |
| Griffin[1] | Chattahoochee | | | T. | | T. | .65 | | | * | .95 | .90 | .72 | .10 | * | .45 | | | | | * | .25 | .05 | .05 | * | T. | .02 | | | | .04 | | 4.18 |
| Harrison | Ogeechee | | | | | .56 | .23 | | | | .20 | | .25 | .50 | .32 | 1.42 | | | | | | 1.28 | | .35 | 1.27 | .10 | | | | .40 | 1.35 | | 8.23 |
| Hartwell | Savannah | | | .89 | | 1.34 | | | .47 | 1.12 | | .38 | .85 | .32 | .34 | | .79 | .31 | | | | | | .65 | .43 | | | .54 | .15 | .95 | .55 | | 10.28 |
| Hawkinsville[1] | Ocmulgee | | | | * | .02 | .50 | * | T. | .20 | .22 | .02 | .20 | .34 | 1.72 | 1.27 | T. | | | | | * | .66 | .38 | * | 1.20 | | | | * | 1.04 | | 7.77 |
| Helena | ...do | | | | | | .57 | .04 | T. | .97 | .02 | .13 | .34 | 1.22 | .44 | .59 | T. | | | | .03 | .41 | .31 | | | .22 | .01 | T. | .02 | .31 | .04 | | 5.67 |
| La Fayette | Tennessee | | .07 | | | 2.28 | .03 | | | | .79 | .62 | .19 | .27 | .32 | | | | | | .06 | | .17 | | .49 | | | | 2.27 | 1.17 | 1.02 | | 9.75 |
| Lisbon | Savannah | | * | .53 | | | .55 | .58 | | * | 1.00 | 1.00 | .10 | .26 | .95 | .06 | .60 | .05 | | * | .01 | 1.60 | | | | | | | * | .52 | .16 | | 7.97 |
| Lost Mountain | Chattahoochee | | | | | | | | | | | .40 | .80 | | T. | | | | | | .35 | .55 | | | | | | | 1.55 | .80 | 1.15 | | 5.60 |
| Louisville | Ogeechee | | .34 | | | | .76 | | | | .33 | | .76 | .76 | .73 | | | | | | | .05 | | | 1.28 | | | | 2.50 | .16 | | 7.67 |
| Lumber City[1] | Ocmulgee | | | | | * | .32 | .24 | * | 1.24 | .12 | .30 | .52 | 1.20 | .42 | 1.22 | .22 | | | | * | .50 | .70 | T. | * | .52 | .04 | | * | .10 | 2.00 | | 9.56 |
| Lumpkin[1] | Chattahoochee | | | | | .61 | .18 | T. | .20 | | .83 | .17 | .16 | | .37 | .03 | | | | .16 | | 2.09 | .26 | T. | | 1.29 | .09 | | | .10 | .25 | | 6.79 |
| Macon | Ocmulgee | | | | | .75 | .12 | | | | .11 | 1.15 | .31 | .36 | 1.23 | .19 | | | | | | .45 | | | | .06 | | | | .21 | .54 | | 5.48 |
| Marshallville[1] | Flint | | | | | T. | .85 | | | 1.35 | .10 | .35 | .58 | .60 | .21 | .36 | T. | | | * | .60 | .14 | .16 | .08 | | .08 | .82 | | T. | T. | .68 | | 6.96 |
| Mauzy | Suwanee | | | | | | .69 | .05 | | .67 | | .58 | 1.43 | 1.84 | .43 | .47 | | | | .80 | | .20 | .31 | | | .64 | | | | | 1.55 | | 9.06 |
| Milledgeville[1] | Oconee | | | | | * | .73 | T. | .31 | | * | .02 | .14 | 1.62 | 1.00 | .33 | .27 | | | | | * | .06 | | | | T. | | | * | 1.73 | | 6.21 |
| Millen[1] | Ogeechee | | | .20 | | | .45 | .48 | | | .92 | .12 | .30 | .80 | .25 | .98 | .10 | | | | .55 | .10 | | | .22 | .15 | | | | | .30 | | 5.92 |
| Montezuma[1] | Flint | | | | * | .06 | .54 | .12 | * | .96 | .06 | .30 | .12 | .54 | 1.68 | .38 | .56 | | | * | .18 | .22 | .34 | .08 | | .28 | | * | .26 | * | .62 | | 7.20 |
| Monticello[1] | Ocmulgee | | | | | * | .85 | .07 | | | * | .77 | .80 | .57 | .11 | .37 | | | | | | * | .39 | .26 | | * | .45 | | | | * | .64 | | 5.28 |
| Morgan | Flint | | | | | .08 | .18 | | | | .60 | .14 | .20 | .78 | .10 | 2.00 | | | | | .12 | .54 | | | | | .26 | | | .15 | 1.10 | | 6.25 |
| Newnan[1] | Chattahoochee | | | | | | .98 | | | | * | .80 | 1.00 | .15 | | .21 | .40 | | | | | * | 1.13 | | | | | | | * | .30 | .70 | | 5.07 |
| Oakdale[1] | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Point Peter | Savannah | T. | | 1.08 | | .68 | | | | .64 | .30 | * | 1.72 | .30 | | .18 | | | | | | .67 | .10 | .12 | | | | | | 1.23 | .30 | | 7.32 |
| Poulan | Suwanee | | | | | .62 | .21 | | | .05 | .53 | .25 | .31 | 1.12 | .13 | .28 | | | | | .97 | .28 | .29 | | | .23 | | .03 | | .12 | .47 | | 5.89 |
| Putnam | Flint | | | | | .45 | .53 | | | .50 | .40 | 2.80 | 2.00 | | .26 | .24 | | | | | .25 | .65 | .10 | | | | | | | | .15 | | 5.81 |
| Quitman[1] | Suwanee | | | | | * | .90 | 1.15 | | * | .75 | .55 | .95 | 4.02 | 3.05 | .50 | .71 | | | * | .62 | | * | | .77 | | * | .06 | .68 | .52 | * | .53 | | 15.76 |
| Ramsey | Coosa | | .07 | .34 | | 1.30 | | | | .24 | .92 | 1.10 | .21 | .04 | | .30 | | | | | .35 | .04 | | | .25 | .35 | | | | .73 | .20 | .50 | | 6.96 |
| Resaca[1] | ...do | | * | .05 | * | .92 | 1.06 | | * | .06 | .60 | .93 | .50 | .10 | | | | | | | * | .26 | | | | * | .26 | | | | * | .15 | | 4.89 |
| Rome[1] | ...do | * | .04 | .18 | * | .90 | .60 | | | * | .92 | .40 | .06 | .20 | | | * | T. | | | * | 2.36 | .04 | | | * | .30 | | | * | .68 | .52 | | 7.20 |
| St. George | St. Marys | .05 | | | | | | .90 | .10 | .02 | .15 | .20 | .62 | 2.20 | .73 | .05 | .20 | .02 | | | | | .33 | .15 | .71 | .13 | | | | .03 | .55 | .02 | | 7.16 |
| St. Marys | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Savannah | Savannah | | | | | | .17 | .79 | .45 | .96 | T. | .31 | .79 | .47 | .43 | .52 | T. | | | | | .38 | .02 | .49 | .76 | .39 | T. | | .37 | .02 | .01 | | 7.33 |
| Statesboro[1] | Ogeechee | | | | | | .80 | T. | .34 | .27 | .65 | .44 | .66 | .25 | 1.31 | .43 | | | | | | .32 | | .03 | .69 | T. | | | .25 | .49 | .03 | | 6.96 |
| Talbotton | Chattahoochee | | | | | .25 | .30 | | | .22 | .30 | .22 | .53 | .29 | .20 | .56 | | | | | .23 | .12 | | | | .17 | | | | .97 | .28 | | 4.64 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 2*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Georgia*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tallapoosa‖ | Coosa | | | | | .18 | .51 | | | | 1.16 | .05 | .75 | .17 | .08 | T. | T. | | | | | .14 | .26 | T. | | | .25 | | | .45 | 2.85 | | 6.85 |
| Thomasville | Ochlockonee | | | | | .18 | .89 | .18 | | .15 | .40 | .18 | 1.98 | .98 | .25 | .52 | | | | | 1.27 | .10 | T. | | 1.15 | .36 | .11 | .02 | | 3.11 | | 12.08 |
| Toccoa‖ | Savannah | | | .96 | | .43 | .80 | | | | | .13 | .40 | 1.60 | | .18 | .05 | | | | | | .50 | .40 | | | | | | .70 | .60 | | 6.75 |
| Valdosta‖ | Suwanee | T. | | | | | 1.33 | .62 | .11 | T. | .34 | .56 | .59 | 2.00 | 3.81 | .31 | .42 | | | | T. | | | | | | .40 | T. | .70 | .35 | .22 | | 11.76 |
| Valona | Ogeechee | | | | | .26 | | | | .20 | 1.05 | .70 | 1.09 | | | .67 | | | | | .40 | .20 | | | | | .80 | .20 | .07 | .12 | | | 5.76 |
| Washington‖ | Savannah | | * | .82 | | * | 1.08 | | * | .63 | .08 | .12 | .10 | .64 | .43 | .45 | .16 | | | | * | .40 | .78 | .12 | | | | | | * | .72 | | 6.53 |
| Waycross‖ | Satilla | T. | | | | * | .56 | .25 | * | .12 | .06 | .41 | .78 | 2.10 | .92 | 1.00 | .55 | | | * | .17 | .01 | .75 | .41 | * | .10 | 2.10 | .16 | .02 | .85 | 2.10 | | 13.42 |
| Waynesboro‖ | Savannah | | | .55 | | * | .72 | .03 | | T. | .96 | .05 | .15 | .45 | .06 | .39 | T. | | | | | | .10 | * | 2.03 | 1.25 | .09 | | | .25 | .35 | | 7.43 |
| West Point‖ | Chattahoochee | | | | | * | .76 | | | * | 1.24 | .45 | .64 | | * | .14 | | | | | * | .02 | .12 | * | .36 | T. | .44 | | * | .04 | .22 | | 4.43 |
| Woodbury‖ | Flint | | | | | * | .88 | .06 | .64 | | * | 1.36 | .32 | .25 | * | 1.06 | | | | | | | * | .12 | | | | | | * | .40 | | 5.09 |
| *Florida.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apalachicola | Coast | | | | | | 5.41 | .71 | .38 | .05 | 1.00 | .17 | 1.48 | .64 | 1.73 | .21 | | | | | | .88 | | | | | .16 | | .08 | 2.00 | | 14.90 |
| Arcadia | Peace Creek | | | | | | | .01 | | .13 | | T. | .39 | .25 | .23 | 1.30 | 1.68 | .01 | | .02 | | .15 | .16 | .10 | T. | .02 | .29 | 1.27 | .30 | .34 | T. | | 6.65 |
| Archer | Waccasassa | | | | | | | | | .50 | .30 | .40 | .81 | .61 | .50 | .35 | 1.20 | | | | | .10 | | .15 | | .18 | | 1.52 | .25 | .40 | | | 7.27 |
| Avon Park | Kissimmee | | | | | | 2.05 | .26 | 1.30 | .14 | 1.48 | .14 | .07 | 2.40 | .08 | .03 | .17 | .12 | | .96 | .77 | .49 | 1.50 | T. | T. | .05 | .26 | .90 | .24 | .38 | .49 | | 14.37 |
| Bartow‖ | Peace Creek | | | | | | | .06 | 1.56 | .34 | .58 | 1.95 | .08 | 1.83 | .06 | .11 | .33 | .03 | | | | | | .54 | | .39 | | .64 | | .21 | .26 | | 8.97 |
| Blountstown‖ | Apalachicola | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bonifay | Choctawhatchee | | | | | .70 | T. | .32 | T. | .34 | .70 | .30 | .10 | T. | .30 | .40 | | | | | 1.00 | | .51 | .10 | | | .20 | | T. | T. | 2.50 | | 7.47 |
| Brooksville | Withlacoochee | 1.42 | | | | | 1.64 | 1.31 | | .49 | .12 | | 1.97 | 1.55 | .85 | .41 | .37 | | | | | | .20 | .18 | | | .15 | .35 | .96 | 1.45 | | | 13.42 |
| Carrabelle | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cedar Keys | ...do | .62 | | | | | | | | | .06 | .40 | .80 | 1.34 | | 2.50 | | | | | | | | .40 | | | .23 | .60 | 1.08 | 1.97 | .40 | | 10.40 |
| Clermont | Lake | | .63 | | | | | .35 | .65 | .28 | .37 | .73 | .27 | .35 | .40 | .26 | .15 | | | | | | .60 | | | | 1.00 | .40 | .35 | .10 | | | 6.89 |
| De Funiak Springs | Choctawhatchee | | | | | .90 | T. | .06 | .12 | .62 | .50 | .28 | .12 | T. | | | | | | | .40 | .20 | .40 | .20 | .60 | 1.25 | .25 | | | .06 | 1.70 | | 7.66 |
| De Land | St. Johns | .30 | | | | | .08 | .28 | 1.28 | .50 | .03 | 1.46 | 1.62 | 2.43 | 4.42 | 1.73 | .01 | | | | | .14 | .27 | T. | | | .11 | .24 | .21 | .01 | .17 | | 15.29 |
| Eustis‖ | Lake | .54 | | | | | * | .65 | 2.30 | 0.22 | .05 | 1.91 | 2.00 | .57 | * | .22 | .26 | | | | | | .03 | | .18 | .08 | .37 | .08 | * | .17 | | | 9.63 |
| Federal Point | St. Johns | | | | | | 1.00 | .50 | .15 | 1.01 | .09 | .62 | .61 | 2.22 | .12 | .73 | 1.69 | .02 | | | | .02 | .06 | .03 | | | .06 | | .33 | .05 | .04 | | 9.35 |
| Fenholloway | Fenholloway | | | | | | 1.55 | .40 | 1.20 | | | .90 | 2.50 | 4.50 | .77 | | | | | | | | | .20 | | .40 | | .15 | | | 1.80 | | 14.37 |
| Fernandina | Coast | | | | | | .06 | .02 | | .24 | .40 | .28 | 3.32 | 3.81 | .08 | .18 | T. | .01 | | | | | .60 | .02 | | | T. | | .04 | .18 | | 9.24 |
| Fort Meade | Peace Creek | | | | | | | .38 | 1.49 | .27 | 1.37 | .15 | 1.41 | .23 | 1.02 | .30 | .45 | | | T. | T. | | .49 | .04 | T. | | 1.04 | .22 | .43 | .39 | | | 9.68 |
| Fort Myers | Caloosahatchee | | | | | | | .19 | 2.15 | .64 | | 1.01 | 1.81 | | .18 | .08 | .11 | T. | .68 | .05 | .28 | .19 | .03 | .01 | T. | .22 | .30 | .20 | .02 | | .05 | | 8.20 |
| Fort Pierce | Indian | | | | | | | T. | .19 | .66 | .07 | .09 | .24 | .33 | .56 | 1.10 | .48 | .24 | | | .12 | T. | | .13 | | | .20 | | .05 | .08 | .06 | | 4.60 |
| Gainesville‖ | Lake | | | | | | | .79 | 1.27 | .38 | .41 | 1.66 | .47 | 1.59 | .91 | .08 | .81 | .11 | | | | | | | | .14 | .03 | .56 | 1.22 | .62 | .84 | | 11.89 |
| Grasmere | ...do | .50 | | | | | .30 | | .28 | .40 | .99 | .90 | 1.58 | 1.05 | T. | .94 | .49 | .10 | | | | .20 | .68 | | | | .07 | .69 | .69 | .23 | | | 10.09 |
| Hilliard | Nassau | T. | | | | | .75 | .20 | | .12 | .20 | .10 | 2.78 | 1.30 | T. | .10 | .10 | | | | | | 4.50 | .42 | .10 | | | T. | T. | .35 | | | 11.02 |
| Huntington | St. Johns | | | | | | .01 | .70 | .25 | .88 | .01 | .91 | 1.85 | 1.90 | .85 | .45 | .33 | | | | .50 | | | | | | | | | | | | |
| Hypoluxo | Lake | | | | | | | .23 | | .46 | | .26 | | .05 | .07 | .62 | | | | | .17 | .12 | .19 | .69 | 2.51 | .15 | | | .10 | .66 | .80 | | 7.08 |
| Inverness‖ | Withlacoochee | | .10 | | | | | | .10 | | .15 | .98 | .42 | 1.85 | .85 | .14 | .11 | | .15 | | | | | .40 | .65 | .50 | .65 | .17 | 1.10 | 1.07 | T. | | 9.39 |
| Jacksonville | St. Johns | | | | | | .14 | .12 | T. | T. | .01 | 1.65 | 1.25 | 1.73 | .30 | .06 | .18 | | | | | .67 | .38 | T. | | | .09 | .01 | T. | .09 | .04 | | 6.72 |
| Jasper‖ | Suwanee | | | | | | 1.15 | | | .95 | 1.30 | | 2.20 | 2.25 | .85 | .96 | .60 | | .75 | | .82 | 76 | | .83 | | 1.75 | | .85 | 1.30 | | .60 | | 17.92 |
| Johnstown | ...do | | | | | | .70 | .57 | .05 | .10 | .42 | .49 | 1.80 | .77 | .05 | .57 | .02 | | | | | | .66 | 1.27 | .08 | | .15 | .54 | | | | | 8.24 |
| Jupiter | Coast | | | | | | | | | .58 | .26 | .13 | .22 | .27 | .59 | | .06 | .12 | | | | .02 | .04 | 1.38 | .64 | .07 | | .01 | .27 | .78 | 2.09 | | 7.53 |
| Key West | ...do | | | | .01 | | | | | | | T. | .13 | | | | | | | T. | | | .45 | .64 | | T. | | | | | .03 | | 1.06 |
| Kissimmee | Kissimmee | .46 | | | | | | .05 | .35 | .11 | .12 | .56 | .70 | .71 | T. | 1.66 | .09 | | | | 1.81 | .06 | 1.35 | .10 | T. | T. | .06 | .49 | .85 | T. | | | 9.83 |
| Lake City | Suwanee | .37 | | | | | .30 | .92 | 1.00 | | .38 | .40 | 1.18 | 1.90 | 1.52 | .20 | .40 | .16 | | | | | | .42 | T. | .65 | .94 | .80 | .45 | 1.70 | .11 | | 13.80 |
| Live Oak‖ | ...do | | | | | | .30 | 1.30 | .65 | .05 | 2.00 | 3.05 | 2.40 | 2.10 | 1.55 | .40 | .80 | | | | | | | .75 | | | 2.50 | .85 | 2.70 | | .95 | | 22.75 |
| Macclenny | St. Marys | | | | | | .40 | 1.85 | .03 | .86 | .10 | | | 2.80 | | .28 | .78 | .02 | | | | | .23 | | | .09 | .17 | | | | .10 | | 7.71 |
| Madison‖ | Suwanee | .18 | | | | | .97 | .53 | T. | .04 | .09 | .54 | .48 | 3.30 | 3.70 | .72 | .91 | | | | | | | T. | .02 | .03 | .26 | .21 | .09 | .32 | .31 | | 12.70 |
| Malabar | Indian | .26 | | | | | | .32 | 1.21 | .09 | .10 | .10 | .69 | .43 | .95 | 1.57 | .32 | .05 | | | | | | | | | | | .28 | .60 | .67 | | 7.64 |
| Manatee | Manatee | .40 | | | | | | | | .30 | | 1.61 | | | | .01 | | | | | | | .18 | .11 | .41 | | .22 | .19 | .15 | 1.00 | | | 4.58 |
| Marianna‖ | Apalachicola | | | | | | .54 | .50 | | .18 | .18 | .12 | T. | .70 | .09 | .42 | .04 | | | | | .76 | | 1.80 | .11 | | .92 | | T. | .04 | 4.10 | | 10.50 |
| Merritts Island | Indan | .02 | | | | | | .30 | .09 | .41 | .71 | .34 | .37 | .47 | 1.18 | 2.84 | .02 | | | | .01 | | | | | T. | | | .14 | .07 | .46 | | 7.43 |
| Miami | Coast | | 1.15 | | | | | | T. | T. | T. | T. | T. | | .66 | | | .12 | | | .75 | 1.20 | .30 | 1.10 | .30 | 1.20 | T. | T. | T. | T. | | | 6.78 |
| Middleburg | St. Johns | | | | | | .30 | | | .95 | .05 | .07 | 1.10 | | 1.00 | .95 | 1.55 | .45 | | | | | | | .95 | | | | .40 | .25 | .30 | | | 8.32 |
| Milligan | Yellow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Molino | Escambia | | | | | .63 | .78 | | | .83 | 1.03 | | 1.09 | | | | | | | .35 | T. | | .20 | .32 | | | .75 | .10 | | 1.18 | .10 | | 7.36 |
| Monticello | Aucilla | | | | | | 2.00 | .75 | .08 | 1.00 | | | 2.00 | 2.50 | 1.46 | .10 | | | | | | | | | | .73 | .12 | .50 | .05 | .70 | 2.00 | | 13.89 |
| Mount Pleasant | Apalachicola | | | | | .37 | 1.05 | | .04 | .32 | .32 | .10 | 1.00 | 1.12 | .18 | .11 | | | | T. | .05 | .08 | 2.33 | T. | | .16 | .13 | | .23 | .20 | 2.16 | | 9.95 |
| Newport | St. Marks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| New Smyrna | Coast | .51 | .01 | | | | .18 | .09 | .15 | .15 | .88 | 1.70 | 1.45 | .07 | .60 | | | | .12 | | | | | | | | | | | 1.50 | .70 | | 8.11 |
| Ocala‖ | St. Johns | | | | | | | T. | T. | .62 | .70 | 1.05 | .48 | 2.00 | .72 | .90 | T. | .23 | T. | | | | | T. | 1.20 | | | .82 | .43 | * | 2.05 | | 11.22 |
| Orange City | ...do | .17 | | | | | | .15 | .41 | .14 | .45 | 1.13 | 1.93 | 3.22 | .07 | .70 | | | | | 1.07 | .21 | .39 | | | | | .82 | .41 | .32 | | | | 11.59 |
| Orlando | ...do | .20 | | | | | T. | .33 | 1.06 | .55 | .05 | 1.75 | 1.30 | 2.00 | | 1.15 | T. | | | | .80 | 1.55 | .98 | .10 | 1.20 | | T. | .55 | .73 | .95 | T. | | | 15.25 |
| Pensacola | Coast | | | | | 1.15 | .04 | .25 | | | .52 | | | | .30 | .29 | | | .11 | .03 | | | .83 | 1.00 | .04 | | | | | 1.03 | .69 | | 6.26 |
| Plant City | Hillsboro | | | | | | | 2.10 | .24 | 1.10 | | 2.30 | 2.20 | .38 | .16 | 2.00 | .99 | | | | | .06 | .41 | | | | .11 | | .49 | .89 | | | 13.43 |
| Rockledge | Indian | .17 | | | | | .51 | 1.20 | 1.05 | .28 | 1.15 | .28 | .73 | .64 | 1.96 | .52 | | | | | | | | | | | | T. | .76 | .13 | .72 | | 10.10 |
| Rockwell | Withlacoochee | .42 | | | | | | | T. | T. | T. | 2.05 | | 2.00 | T. | T. | T. | | | | | | .30 | | | * | .85 | 2.00 | .45 | 2.00 | .80 | | 10.87 |
| St. Andrew | Coast | | | | | .40 | 1.97 | .68 | .37 | | 1.13 | .06 | .54 | .26 | .12 | .02 | | | | | | 1.39 | .12 | | | | .11 | .20 | .02 | .06 | 5.92 | | 13.37 |
| St. Augustine | ...do | 1.10 | | | | | .15 | | .28 | .62 | .71 | .25 | 1.64 | 1.94 | .33 | .28 | 2.65 | | | | | | | .08 | | | .05 | | .36 | | | | 10.44 |
| Sand Key | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Leo | Withlacoochee | .06 | | | | | 1.20 | 1.27 | T. | 2.07 | | 1.04 | 1.34 | .36 | .09 | .91 | .64 | | T. | | | .33 | T. | | .20 | .11 | .15 | 1.32 | 1.31 | 1.51 | | | 13.91 |
| Satsuma Heights | St. Johns | T. | | | | | .23 | .56 | .19 | .13 | T. | .71 | 1.55 | .60 | .21 | .31 | .34 | | | | .09 | .03 | .38 | | | | .06 | .03 | .54 | .02 | | | 6.07 |
| Switzerland | ...do | | | | | | .11 | .67 | | .07 | .70 | .77 | 2.27 | 1.33 | 1.56 | .18 | 1.29 | | | | | .69 | .09 | | | T. | 1.00 | | T. | .48 | .13 | | 11.34 |
| Tallahassee‖ | Ochlockonee | | | | | | 1.50 | 2.00 | .25 | T. | .18 | .46 | .20 | 2.25 | 1.20 | .28 | .09 | | | | | | | | .06 | .14 | .05 | .50 | .18 | .34 | .50 | .85 | | 11.03 |
| Tampa | Coast | T. | | | | | | T. | .28 | .36 | .01 | .53 | 2.25 | .17 | .01 | .44 | .28 | | | | | .12 | T. | T. | T. | .16 | T. | T. | 1.02 | 3.52 | | | 9.15 |
| Tarpon Springs | ...do | | | | | | | T. | | .05 | | .33 | .94 | | .25 | .24 | .21 | | | | | | .16 | .14 | .34 | .04 | .05 | .17 | .31 | 2.90 | | | 6.13 |
| Titusville | Indian | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wausau | Choctawhatchee | | | | | | .54 | .90 | | .30 | .45 | .16 | | 1.09 | .32 | 1.00 | .25 | | .20 | | | .30 | | | | 1.00 | .10 | | | 1.04 | 1.06 | | 8.71 |
| *Alabama.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alaga‖ | Chattahoochee | | | | | | .70 | .18 | .44 | .68 | .04 | 1.42 | T. | .44 | .34 | .08 | .06 | | | | .80 | .16 | T. | T. | .20 | | .50 | 1.00 | T. | T. | 2.78 | | 9.82 |
| Anniston | Coosa | | T. | T. | | .55 | T. | | .04 | .16 | 1.45 | .23 | | .22 | T. | | | | | | .27 | T. | | .90 | .01 | T. | | | .86 | .26 | 1.77 | | 6.72 |
| Ashville | ...do | | | | | 1.65 | .01 | | .04 | .33 | 1.50 | .04 | .09 | | .16 | T. | | | | | | | | .20 | .37 | T. | | | .35 | .20 | 1.55 | | 6.49 |
| Auburn | Tallapoosa | | | | | .75 | | | .07 | .14 | .42 | .29 | .02 | 1.40 | .02 | | | | | | .16 | .71 | | T. | | | | | | .60 | 1.05 | | 5.63 |
| Benton‖ | Alabama | | | | | | .79 | | | | 2.24 | 1.19 | | | .12 | | | | | | | T. | | | .49 | | | 1.02 | | .29 | .80 | | 6.94 |
| Bermuda | Escambia | | | | | 1.07 | .04 | .02 | T. | .17 | .15 | .53 | T. | | T. | .05 | | | | T. | 1.68 | .39 | .34 | .31 | | .09 | T. | | .10 | T. | .12 | | 5.06 |
| Birmingham | Black Warrior | | T. | | .01 | 1.74 | | | | .82 | .50 | .34 | T. | .06 | | | | | | T. | T. | .96 | T. | .02 | | | | | 1.35 | | 1.34 | | 7.14 |
| Calera‖ | Coosa | | | | | .40 | .45 | | | | 1.60 | .30 | 2.05 | | | | | | | | | | | | | | | | | 1.70 | .10 | | 6.60 |
| Camp Hill | Tallapoosa | | | | | .43 | .15 | | | | .85 | | | | .43 | | | | | T. | | 1.60 | | | | .41 | | | | .55 | 1.10 | | 5.52 |
| Cedar Bluff | Coosa | | | | | 1.64 | | | .30 | 1.24 | | 1.47 | .15 | .12 | | .52 | | | | | | .45 | | | | | .60 | .55 | .40 | 1.04 | | 8.48 |
| Citronelle | Alabama | | | | | 1.50 | .08 | T. | .78 | | .30 | 1.00 | .07 | | .49 | .04 | | | | | | 1.26 | .69 | .12 | .45 | .01 | .05 | .13 | | .36 | .02 | | 7.35 |
| Clanton‖ | Coosa | | | | | | .21 | | | .07 | 1.40 | .54 | .31 | | .14 | .03 | | | | | | T. | 1.02 | | | | .22 | | | 1.30 | .71 | | 5.05 |
| Cochrane‖ | Tombigbee | | | | | 1.30 | .70 | | | | 2.76 | .68 | | | | | | | | | | | | | | | .38 | | | | .66 | | 6.48 |
| Cordova | Black Warrior | | T. | | | 1.90 | | | T. | 1.69 | .02 | .36 | | | | | | | | | .49 | .90 | | | | .14 | | | .85 | T. | .92 | | 7.27 |
| Cullman | ...do | | T. | .17 | T. | 1.60 | .01 | | T. | 1.20 | 1.28 | .10 | .53 | .01 | | | | | | .03 | .09 | T. | 1.04 | | .02 | | | | .37 | .72 | .84 | | 8.01 |
| Dadeville‖ | Tallapoosa | | | | | | .70 | | | | .81 | .13 | .36 | | | .02 | | | | | | .98 | .88 | | T. | .02 | .73 | | | | .67 | .39 | | 5.69 |
| Daphne | Coast | | | | | 1.00 | | .15 | | 3.00 | .80 | .15 | | | .03 | | | | | T. | T. | .80 | .56 | .12 | | | .05 | .40 | | .23 | .37 | | 7.66 |
| Demopolis‖ | Tombigbee | | | | | 1.60 | .20 | | | | .60 | .94 | .22 | | | | | | | | | .14 | | | .30 | | | | | .28 | .24 | | 4.52 |
| Eufaula‖ | Chattahoochee | | | | | | .88 | | | T. | .10 | .98 | .46 | .06 | | .28 | | | | | .10 | T. | .10 | .22 | .10 | | 1.30 | T. | .68 | | .60 | | 5.26 |
| Evergreen‖ | Escambia | | | | | 1.02 | .20 | | | | .52 | | .63 | | | .15 | | | | | | .10 | .66 | | .10 | | | .08 | | | .12 | | 3.58 |
| Fayette | Tombigbee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flomaton | Escambia | | | | | 1.20 | .03 | | T. | T. | .04 | T. | | | | | | | | | 2.00 | 1.30 | .50 | .50 | T. | | 2.02 | .08 | | .94 | 1.88 | | 10.49 |
| Fort Deposit‖ | ...do | | | | | | .75 | | | .40 | .25 | 1.60 | 1.58 | 1.05 | | .30 | | | | | | | | .70 | T. | | | | | | T. | | 6.63 |
| Gadsden‖ | Coosa | | | | T. | 1.86 | .98 | | | | 1.72 | .10 | .20 | | .78 | | | | | | | .06 | | | | | | | | 1.68 | .44 | | 7.82 |
| Goodwater‖ | ...do | | | | | T. | .60 | | | | 1.10 | .12 | .70 | | | T. | | | | | | .30 | .10 | | | .40 | | | | .60 | .65 | | 4.57 |
| Greensboro‖ | Black Warrior | | | | | 1.33 | | | | | 1.09 | .94 | .05 | | T. | .02 | | | | | | .21 | | .55 | .15 | | .34 | .01 | | .66 | .40 | | 5.57 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 2*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Alabama*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Greenville‖ | Escambia | | | | | T. | 1.01 | | | .11 | .59 | .69 | .91 | .49 | | | | | | | | | .38 | .24 | .10 | | | .38 | | | 3.55 | | 8.45 |
| Hamilton | Tombigbee | | | | .36 | | | | | .90 | | 1.91 | | .02 | | | | | | .14 | | | | | | | .18 | .58 | 2.00 | .02 | | | 6.11 |
| Highland Home | Escambia | | | | | .77 | .07 | | .05 | .60 | 1.64 | .28 | 1.00 | | | .80 | .05 | | | | .22 | .07 | .15 | .03 | | .11 | .36 | | | T. | .12 | | 6.30 |
| Livingston‖ | Tombigbee | | | | | 2.61 | .23 | | | | .75 | 1.13 | | | | | | | | | | .34 | | | .04 | | | | .36 | .26 | 3.95 | | 9.67 |
| Lock No. 4 | Coosa | | | | | .85 | .23 | | | .23 | .53 | .25 | | | .20 | | | | | | | .05 | | | | | | | 1.03 | .32 | .72 | | 4.41 |
| Lucy | Chattahoochee | | | | | .48 | .68 | .19 | .12 | .13 | .23 | T. | .62 | .25 | .27 | .46 | | | | .04 | .12 | T. | .54 | | | | .80 | T. | .27 | .13 | 2.61 | | 7.94 |
| Maple Grove | Coosa | | T. | T. | 1.28 | .87 | | | T. | 1.32 | .38 | .03 | T. | .30 | T. | .16 | | | | | .35 | T. | | | .19 | T. | | | .94 | 1.29 | 1.04 | | 8.17 |
| Mentone‖ | ...do | T. | | | | T. | 1.08 | .51 | | | | T. | | | 1.40 | | .36 | | | | | | .72 | | | T. | | | | 1.32 | 1.10 | | 6.49 |
| Milstead‖ | Tallapoosa | | | | | | .84 | | | .10 | .78 | .16 | .64 | .08 | | .16 | | | | | .16 | .30 | | .12 | | T. | .84 | | | .91 | 1.40 | | 6.49 |
| Mobile | Coast | | | | | 1.28 | | | | | 2.84 | .81 | .12 | | | | | | T. | .09 | T. | .35 | .12 | .05 | .04 | | .01 | .25 | | .36 | .17 | | 6.49 |
| Montgomery | Alabama | T. | T. | T. | | .67 | | T. | .41 | .17 | 1.18 | .30 | T. | | T. | | | | | | .47 | .01 | .01 | | | .77 | .23 | | 1.08 | 1.55 | .96 | | 7.81 |
| Newbern | Black Warrior | | .01 | | .40 | .88 | | .55 | | .42 | .68 | .09 | | | .01 | | | | | | .38 | | 70 | 1.44 | T. | .27 | .02 | | .05 | .70 | .02 | | 6.62 |
| Oneonta | ...do | | T. | .06 | | 1.22 | .15 | | | .40 | 1.36 | .64 | .05 | .45 | | | | | | | 1.20 | .37 | | | | | | | .87 | .25 | 1.20 | | 8.22 |
| Opelika‖ | Tallapoosa | | | | | | .74 | T. | .47 | T. | .32 | .30 | .22 | T. | | .78 | | | | .13 | T. | .10 | 1.00 | | T. | | .08 | | | | .25 | | 4.29 |
| Ozark‖ | Coast | | | | | | .85 | .20 | .15 | | .60 | 1.40 | .44 | | | .25 | | | | | | | .45 | .25 | .15 | | .95 | | | | 1.90 | | 7.59 |
| Prattville | Alabama | T. | T. | | | .56 | .10 | T. | .06 | | 2.81 | .33 | T. | | T. | | | | | | .60 | | T. | T. | T. | .10 | | | 2.10 | 1.47 | | 8.13 |
| Pushmataha‖ | Tombigbee | | | | | 2.24 | .15 | | | | .60 | 1.24 | .37 | | T. | | | | | | .28 | | .03 | .36 | .68 | .09 | | .04 | | .42 | .79 | | 7.29 |
| Selma‖ | Alabama | | | T. | | .02 | .70 | | 1.00 | T. | 1.96 | .40 | .44 | | T. | | | | | | | T. | .42 | .30 | 1.72 | | .04 | .50 | | .04 | .24 | | 7.78 |
| Spring Hill | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Talladega | Coosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tallassee‖ | Tallapoosa | | | | | | .60 | | | .08 | 1.20 | .10 | .45 | | | .16 | | | | | .62 | .82 | .08 | .02 | T. | | .32 | | | .21 | 2.06 | | 6.72 |
| Thomasville‖ | Tombigbee | T. | | | | .98 | 1.21 | | | | .32 | 1.52 | .19 | .02 | | | | | | | T. | 1.75 | .13 | T. | T. | .46 | .14 | .32 | 1.83 | .51 | .24 | | 9.62 |
| Troy | Escambia | | | | | 1.10 | .23 | | .25 | .10 | 1.50 | .11 | .04 | | .95 | .11 | | | | T. | | .51 | .97 | .05 | | T. | .36 | .05 | | .35 | T. | | 6.68 |
| Tuscaloosa‖ | Black Warrior | | T. | T. | | 1.95 | .72 | | | | 1.61 | .15 | .01 | | | | | | | | .28 | | .77 | .05 | .01 | .02 | .02 | .12 | | .08 | 2.16 | .21 | | 8.16 |
| Tuskegee | Tallapoosa | | | | | .60 | | | .95 | .55 | .77 | 1.62 | 1.15 | | .33 | | | | | | | | | | | 1.32 | | | 1.49 | | | | 8.32 |
| Union Springs‖ | ...do | | | | | | .98 | | | 1.10 | .63 | .52 | T. | T. | | .44 | | | | | | | | .60 | | .10 | .29 | .08 | | | 1.06 | | 5.80 |
| Uniontown | Black Warrior | | T. | | | 1.24 | | T. | | .09 | .64 | .07 | | | T. | | | | | | T. | .57 | T. | .65 | 1.21 | .03 | T. | .08 | T. | .15 | T. | | 4.73 |
| Valley Head | Coosa | | T. | | | 2.00 | | | | 26 | T. | T. | .23 | 2.00 | .20 | .37 | | | | | .22 | .18 | T. | | T. | | | 1.25 | .42 | .86 | | 7.99 |
| Wetumpka‖ | ...do | | | | | | .71 | | .18 | .45 | 2.10 | .17 | .53 | | | | | | | | | .79 | | | | | .43 | | | .72 | 1.95 | | 8.03 |
| *Mississippi.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aberdeen‖ | Tombigbee | | T. | | | .32 | .60 | | | 1.32 | 2.30 | T. | | | | | | | | .53 | | T. | 3.10 | .17 | | T. | .09 | | .30 | .61 | .44 | | 9.78 |
| Agricultural College | ...do | | | | .10 | .62 | .05 | | | 1.33 | 1.03 | .10 | | | | | | | | .57 | .04 | .48 | | .10 | .06 | .01 | | T. | | T. | T. | | 4.49 |
| Bay St. Louis | Coast | | | | | 1.45 | | .02 | | | 1.95 | | | | .10 | | | | | | 1.03 | 2.33 | .30 | .22 | .40 | .37 | .44 | .05 | | .07 | | | 8.73 |
| Biloxi | ...do | | | | | .77 | T. | .06 | | | 1.97 | | | | | | | | | | .19 | .05 | .05 | T. | | .02 | 1.02 | | | .12 | .04 | | 4.29 |
| Booneville | Tombigbee | | T. | .03 | .65 | .23 | | | | .67 | 1.61 | | | | | | | | | | | .58 | | | | | | | 1.74 | .12 | .02 | | 5.65 |
| Brookhaven‖ | Pearl | T. | | | | 2.00 | T. | | | | 1.10 | .66 | | | | | | | | | .30 | | .01 | .26 | .19 | .83 | | | .27 | 1.05 | 2.07 | | 8.74 |
| Columbia‖ | ...do | | | | | 1.52 | .02 | | | | .50 | 1.20 | | | | | | | | | | | .56 | .10 | .44 | .34 | .02 | .14 | | .40 | .40 | | 5.64 |
| Columbus‖ | Tombigbee | | T. | | | 1.20 | .23 | | | | 2.00 | .41 | .67 | | | | | | | .10 | | | .12 | .64 | .95 | | T. | | .20 | .40 | T. | | 6.92 |
| Crystal Springs‖ | Pearl | | | | | 1.27 | | | | | .93 | .23 | .02 | | | | | | | | .23 | | | .30 | .57 | .65 | | | | .34 | .02 | | 4.56 |
| Edinburg | ...do | | | | | 2.24 | | | | | .67 | T. | | | | | | | | .29 | | .28 | | .06 | .07 | | | T. | .28 | .39 | | 4.28 |
| Enterprise‖ | Chickasawhay | | | | | .90 | .10 | | | | .76 | .82 | | | | | | | | | | .26 | .06 | .25 | .80 | .32 | | 1.03 | | .21 | 1.50 | | 7.01 |
| Fulton‖ | Tombigbee | | | .02 | | 1.02 | .02 | | | .56 | 2.00 | | | | | | | | | .12 | | | .74 | .42 | | | | | .18 | .20 | | 5.78 |
| Hattiesburg‖ | Leaf | | | | | 1.96 | .02 | | | | .50 | .28 | | | | | | | | | | | 1.26 | .06 | .08 | 1.60 | | .44 | .08 | | 1.40 | | 7.68 |
| Hazlehurst‖ | Pearl | | | | | 1.12 | | | | | .89 | .34 | | | | | | | | | .18 | | .09 | .38 | .09 | .91 | | | .09 | 1.25 | .69 | | 6.03 |
| Jackson | ...do | | | | | 1.87 | | | | | 1.49 | .01 | | | | | | | | .54 | .01 | .30 | .12 | .70 | .27 | T. | .41 | .60 | T. | T. | T. | | 6.32 |
| Lake‖ | ...do | T. | T. | | | 3.11 | .07 | | | | .72 | .24 | T. | | | | | | | T. | | .15 | T. | T. | | .15 | .17 | .46 | T. | .20 | 1.80 | | 7.07 |
| Lake Como | Leaf | | | | | 2.10 | | | | | 2.80 | | | | | | | | | .90 | | T. | .37 | .55 | .80 | | T. | .22 | T. | .50 | 1.50 | | 9.74 |
| Laurel | ...do | | | | | 1.78 | | T. | | | .63 | | | | T. | | | | | 1.34 | | .11 | .22 | .30 | .71 | T. | .16 | 1.05 | .11 | .07 | 2.05 | | 8.53 |
| Leakesville‖ | Chickasawhay | | T. | | | 3.62 | .11 | | | | .28 | .49 | 1.39 | .10 | | 1.73 | | | | | | .13 | .74 | .80 | .10 | .11 | .20 | .19 | .52 | | | | 10.51 |
| Louisville | Pearl | | | | .34 | .77 | | | | .77 | 1.68 | | | | | | | | | .66 | | .07 | | .51 | .33 | | | .02 | .09 | | .17 | | 5.41 |
| McNeill | ...do | | | | | 1.63 | | | | T. | 2.32 | .18 | | T. | .19 | | | | | .13 | | .41 | 1.43 | .25 | .12 | | .70 | 1.10 | .13 | 1.50 | | | | 10.09 |
| Macon‖ | Tombigbee | | | T. | T. | 1.63 | .21 | | | | 2.23 | .50 | .28 | T. | | | | | | .12 | .13 | | | T. | .17 | .06 | .08 | T. | .15 | .55 | .08 | | | 6.19 |
| Magnolia | Pearl | | | | .14 | 2.20 | | | | .37 | | 1.10 | | | | | | | | | T. | | .39 | .05 | .75 | .03 | | .51 | .67 | 1.41 | .90 | | | 8.52 |
| Meridian | Chickasawhay | | T. | | .25 | 1.77 | | | T. | .24 | .65 | .64 | | | | | | | | | 1.07 | T. | .27 | .22 | .57 | | .07 | .39 | .36 | .15 | .12 | | | 6.77 |
| Merrill‖ | Pascagoula | | | | | 1.00 | .64 | | .84 | .22 | .36 | .30 | .20 | .24 | .10 | .96 | | | | | | | 1.72 | .10 | .30 | .88 | .28 | 2.20 | 1.18 | .10 | | | | 11.62 |
| Monticello | Pearl | | | | .71 | 2.10 | | | | | 1.40 | .01 | | | | | | | | .07 | | | 1.83 | 1.06 | .45 | .03 | .02 | T. | .84 | 1.10 | .31 | | | 9.93 |
| Okolona‖ | Tombigbee | | | | | | .25 | | | .75 | 1.85 | .05 | | .10 | | | | | | .90 | | | .40 | T. | | .10 | .21 | .20 | .22 | 3.00 | | | | 8.03 |
| Pascagoula | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pearlington | Pearl | | | | | 2.08 | | T. | T. | T. | 1.31 | | | .36 | | | | | | | .79 | .15 | .20 | .03 | .10 | | | .33 | 1.31 | .40 | .47 | | | 7.53 |
| Porterville | Tombigbee | | | | | 2.21 | | | .16 | .82 | .54 | T. | | | | | | | | | | | .33 | .50 | .40 | | .14 | .13 | | 2.98 | 1.68 | | | 9.89 |
| Shubuta‖ | Chickasawhay | | | | | 1.76 | .26 | | | | .40 | 1.40 | | | | .06 | | | | | | | | .34 | .06 | .04 | | .48 | .28 | .20 | 2.10 | | | 7.38 |
| Waynesboro‖ | ...do | T. | | | | 2.00 | .20 | | | | .37 | .10 | | T. | .09 | .05 | | | | | .80 | | .70 | .53 | .18 | T. | .05 | .62 | T. | T. | .72 | | | 6.41 |
| Woodland | Tombigbee | | | | | .27 | | | | 1.18 | 1.09 | .14 | | | | | | | | .41 | .09 | 1.72 | | .53 | | .36 | .13 | .07 | .16 | | .52 | | | 6.67 |
| *Louisiana.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pearl River | Pearl | | | | | 1.44 | .14 | | | .02 | .64 | .80 | | .02 | T. | | | | | | T. | 1.04 | .54 | .04 | .10 | 1.24 | .50 | | T. | .17 | 1.52 | | | 8.21 |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 2, South Atlantic and east Gulf States.*

| Date. | Virginia. | | | | | | | | | | North Carolina. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lynchburg. | | Norfolk. | | Richmond. | | Saxe. | | Charlotte. | | Edenton. | | Fayetteville. | | Hatteras. | | Newbern.§§ | | Raleigh. | | Reidsville. | | Salisbury. | | Wilmington. | | Charleston, S. C. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 2 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 3 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 4 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 5 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 6 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 7 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 8 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 9 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 10 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 11 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 12 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 13 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 14 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 15 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 16 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 17 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 18 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 19 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 20 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 21 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 22 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 23 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 24 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 25 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 26 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 27 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 28 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 29 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 30 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| Mns | 78.4 | 60.9 | 79.7 | 64.2 | 79.2 | 61.4 | 81.2 | 59.1 | 81.0 | 63.3 | 82.4* | 64.0* | 85.5 | 63.7 | 79.4 | 69.2 | 83.4 | 61.5 | 82.2 | 63.9 | 81.9 | 59.7 | 84.8 | 60.7 | 82.6 | 66.8 | 83.7 | 70.9 |

| Date. | South Carolina. | | | | | | | | | | | | Georgia. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Columbia. | | Conway.§§ | | Georgetown. | | Greenville.§§ | | Newberry. | | Society Hill. | | Trial. | | Adairsville.§§ | | Albany.§§ | | Atlanta. | | Augusta. | | Dahlonega. | | Macon. | | Savannah. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 2 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 3 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 4 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 5 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 6 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 7 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 8 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 9 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 10 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 11 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 12 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 13 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 14 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 15 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 16 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 17 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 18 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 19 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 20 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 21 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 22 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 23 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 24 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 25 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 26 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 27 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 28 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 29 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| 30 | 96 | 63 | 96 | 66 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 | 96 | 63 |
| Mns | 84.2 | 65.7 | 85.9 | 65.4 | 85.0 | 68.4 | 79.3 | 62.3 | 85.8 | 64.2 | 85.4 | 65.7 | 83.7 | 64.4 | 84.5 | 62.2 | 87.4 | 68.2 | 81.0 | 64.4 | 84.6 | 67.5 | 90.3 | 69.8 | 85.0 | 67.0 | 85.2 | 69.3 |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 2*—Continued.

| Date. | Georgia. | | | | | | | | | | | | Florida. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thomasville. | | Waycross.‖ | | West Point.‖ | | Avon Park. | | Fort Myers. | | Gainesville.‖ | | Jacksonville. | | Jupiter. | | Key West. | | Miami. | | Orlando. | | Pensacola. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 93 | 68 | 91 | 68 | 91 | 68 | 93 | 68 | 94 | 72 | 94 | 72 | 94 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 2 | 95 | 68 | 95 | 68 | 95 | 68 | 95 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 3 | 96 | 68 | 96 | 68 | 96 | 68 | 96 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 4 | 96 | 68 | 96 | 68 | 96 | 68 | 96 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 5 | 91 | 68 | 91 | 68 | 91 | 68 | 91 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 6 | 77 | 68 | 71 | 68 | 71 | 68 | 71 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 7 | 82 | 68 | 82 | 68 | 82 | 68 | 82 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 8 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 9 | 88 | 68 | 88 | 68 | 88 | 68 | 88 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 10 | 88 | 68 | 70 | 68 | 81 | 68 | 88 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 11 | 75 | 68 | 71 | 68 | 76 | 68 | 75 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 12 | 76 | 68 | 74 | 68 | 76 | 68 | 76 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 13 | 76 | 68 | 76 | 68 | 76 | 68 | 76 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 14 | 76 | 68 | 76 | 68 | 76 | 68 | 76 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 15 | 76 | 68 | 76 | 68 | 76 | 68 | 76 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 16 | 88 | 68 | 88 | 68 | 88 | 68 | 88 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 17 | 88 | 68 | 88 | 68 | 88 | 68 | 88 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 18 | 88 | 68 | 88 | 68 | 88 | 68 | 88 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 19 | 88 | 68 | 88 | 68 | 88 | 68 | 88 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 20 | 88 | 68 | 88 | 68 | 88 | 68 | 88 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 21 | 91 | 68 | 91 | 68 | 91 | 68 | 91 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 22 | 91 | 68 | 91 | 68 | 91 | 68 | 91 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 23 | 91 | 68 | 91 | 68 | 91 | 68 | 91 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 24 | 91 | 68 | 91 | 68 | 91 | 68 | 91 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 25 | 91 | 68 | 91 | 68 | 91 | 68 | 91 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 26 | 87 | 68 | 85 | 68 | 85 | 68 | 87 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 27 | 70 | 68 | 69 | 68 | 69 | 68 | 69 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 28 | 87 | 68 | 85 | 68 | 85 | 68 | 87 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 29 | 91 | 68 | 91 | 68 | 91 | 68 | 91 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 30 | 87 | 68 | 85 | 68 | 85 | 68 | 87 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| 31 | 91 | 68 | 91 | 68 | 91 | 68 | 91 | 68 | 94 | 72 | 96 | 72 | 96 | 72 | 94 | 72 | 91 | 77 | 93 | 72 | 94 | 72 | 94 | 72 |
| Mns | 87.0 | 67.2 | 89.1 | 68.0 | 86.1 | 66.0 | 89.8 | 68.7 | 86.5 | 71.0 | 88.3 | 69.3 | 86.5 | 71.0 | 84.6 | 71.7 | 86.9 | 76.9 | 88.2 | 71.9 | 88.3 | 70.0 | 83.1 | 71.5 |

| Date. | Alabama. | | | | | | | | | | | | Mississippi. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Anniston. | | Bermuda. | | Birmingham. | | Eufaula.‖ | | Mobile. | | Montgomery. | | Tuscaloosa.‖ | | Uniontown. | | Columbus.‖ | | Hattiesburg.‖ | | Jackson. | | Meridian. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 78 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 2 | 80 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 3 | 80 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 4 | 80 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 5 | 80 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 6 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 7 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 8 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 9 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 10 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 11 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 12 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 13 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 14 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 15 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 16 | 85 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 17 | 85 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 18 | 85 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 19 | 85 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 20 | 85 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 21 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 22 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 23 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 24 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 25 | 84 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 26 | 86 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 27 | 86 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 28 | 86 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 29 | 86 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 30 | 86 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 31 | 86 | 68 | 86 | 68 | 87 | 68 | 86 | 68 | 85 | 72 | 86 | 68 | 87 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| Means | 83.3 | 63.5 | 88.2 | 66.1 | 83.4 | 65.7 | 87.0 | 65.5 | 86.1 | 70.5 | 86.5 | 67.5 | 87.4 | 65.1 | 86.6 | 67.5 | 87.6 | 64.7 | 90.0 | 67.2 | 88.0 | 65.6 | 85.0 | 65.1 |

# Climatological Data for June, 1910.

## DISTRICT No. 3, OHIO VALLEY.

FERDINAND J. WALZ, District Editor.

### GENERAL SUMMARY.

The most pronounced features of the month were the unseasonably low temperatures that persisted during the entire first half of the month and the abnormally warm weather which prevailed during the latter half of the second and the first part of the third decades. Also the month was remarkable for the unusually large number of severe and damaging thunderstorms that occurred over the section south of the Ohio River and the extreme southern parts of Ohio, Indiana, and Illinois. Many of these storms were attended by severe hail and heavy rainfall, causing damage to crops and washing the hillsides and flooding the bottom lands. There were also a large number of instances of damage from lightning; some 8 or 10 persons lost their lives, barns were struck, and numerous head of stock killed.

During the first half of the month the weather conditions were largely controlled by moderately low pressure areas, no severe general barometric disturbances passing over the district. During this period the weather was cold and wet, rains being very frequent and in some portions of the district heavy. During the first 4 days of the month some of the coldest weather that has ever been experienced in June occurred, temperatures near freezing being registered over considerable areas, and light frosts occurred in some of the northern and central portions of the district. These conditions, following the cold weather which prevailed during May, greatly retarded the growth and development of vegetation in general.

The latter half of the month was largely dominated by high pressure areas. Conditions were much more favorable during this period and the warm and sultry weather, with the frequent showers that prevailed, greatly aided to advance growth, so that by the latter part of the month vegetation was near the normal stage of development. During the latter half of the month quite high temperatures were registered nearly every day, especially in the northern and central portions of the district. In the period 19th to the 24th the weather was excessively warm and sultry and many prostrations were reported. These, however, were mostly confined to the cities. While rains were frequent in nearly all parts, there was a marked variation in the aggregate amount that was received in the several parts of the district. Over much of the southern and parts of the central and eastern portions the rainfall was largely in excess, while over the northern portion there was a decided deficiency, especially over the north-central portions of Ohio, Indiana, and Illionis. In Kentucky there was entirely too much rain over the central and eastern portions and a deficiency in the western portion. In the period 9th to 11th very heavy and damaging rains fell over the central portions of Kentucky and Tennessee. On the 18th and 19th there were very heavy rains in the western portions of Pennsylvania and Maryland and the Monongahela Basin of West Virginia, causing freshets in the streams, and resulting in a considerable amount of damage, a number of houses being carried away by the high water.

On the 27th and 28th heavy rains occurred over nearly the whole of the district. In the mountain sections of Kentucky and West Virginia there were several so-called "cloud-bursts," which caused a great deal of damage locally, destroying houses and crops and causing a number of deaths.

### TEMPERATURE.

During the first half of the month unusually cool weather prevailed in practically all parts of the district. The average daily temperatures during this period ranged from 3° to 18° below normal. The first 4 days were remarkably cool, the average daily temperatures over nearly the whole territory ranging between 6° and 20° below normal. During these 4 days the minimum temperatures registered at a number of the stations in the district were as low as have ever been recorded in June at those stations. The lowest temperature for the month was 29° at Burks Garden, Va., on the 4th, which is the lowest known June temperature for Virginia. Minimum temperatures near freezing occurred in West Virginia, Ohio, Indiana, and western North Carolina; and values between 36° and 40° in southwestern Virginia, Kentucky, and Tennessee; and between 40° and 50° in the northern portions of Alabama and Georgia. Light frosts formed in Kentucky, West Virginia, southwestern Virginia, and in the States north of the Ohio River on one or more of those dates, and snow flurries occurred at several of the mountain stations in West Virginia on the 1st. A change to warmer weather set in about the 16th, and during the remainder of the month temperatures were mostly above normal, the daily excess ranging from 2° to 8°. The highest temperatures were reported in the period from the 19th to the 24th, although from the 16th to the 27th, inclusive, maximum temperatures of 90° and over were registered nearly every day over most of the district. The highest temperature reported was 100° on the 19th at Martinsville, Ill. The weather during the latter half of the month was unusually sultry and oppressive. There was considerable suffering and a number of instances of prostration from the heat.

For the month, as a whole, the temperature averaged from 2° to 4° below normal in practically all parts of the district, and in several of the States south of the Ohio River the month takes its place next to the coldest June of the past 2 or 3 decades.

### PRECIPITATION.

The normal rainfall for June for the area comprising the Ohio River watershed ranges between 4 and 5 inches, the larger amount being in the more southerly and the smaller in the more northerly portions. The rainfall for this June was below normal over the western and northern portions of the district, and over the headwaters of the Tennessee River. It was above normal over most of the southern, central, and eastern portions of the district. Over the northern portions of Alabama and Georgia, extreme western North Carolina, the central and southeastern portions of Tennessee, the central portions of Kentucky, and the central and eastern portions of West Virginia, the rainfall for the month was between 6 and 10 inches. Over the remainder of the district south of the Ohio River, except in the extreme western portion of Kentucky and northwestern Tennessee, the precipitation was between 3 and 6 inches, while over the portions of Kentucky and Tennessee last mentioned, and over nearly all of the district north of the Ohio River, it was less than 3 inches, and in many places less than 2 inches. At a number of stations in north-central Indiana it was less than 1 inch, the smallest amount occurring at any place in the district being 0.34 inch at Winona Lake, Ind. The largest amount was 11.3 inches at Parsons, W. Va.

Rains occurred very generally over the district nearly every day during the first week, and in the periods 9–10th and 27–28th. They were more or less general in the eastern and southern portions including Tennessee, during nearly the whole of the month. There was little or no rain, however, in the extreme western portion of New York after the 18th, and only scattered showers occurred in Kentucky and the States north of the Ohio River in the period 20–26th. Rain occurred in considerable amounts in Kentucky and West Virginia on the 29th and in the States south of Kentucky on the 29th and 30th, but

there was practically none in the district north of the Ohio River on those 2 days.

Thunderstorms were unusually frequent over the southern half of the district throughout nearly the entire month and over the northern portion during the latter half.

DAMAGE FROM STORMS.

*June 5.*—A severe local hail storm at Bristol, Tenn., did great damage to trees and crops. Hundreds of birds were killed by the hail.

*June 8.*—A local wind and rain storm did considerable damage at Columbia, Tenn. Several head of stock were killed.

*June 9 to 11.*—Heavy rains and electrical storms occurred over portions of Kentucky and Tennessee. Considerable damage resulted from these storms, especially from flooding of streams and overflowing of the lowlands. There was considerable injury to railroad beds by washing out the tracks in portions of Tennessee and Alabama. Many streams were out of their banks in these sections and a number of bridges on streams in central Kentucky were swept away.

*June 15.*—Severe hailstorms occurred in the eastern portions of Kentucky and Tennessee and in western Virginia. These storms covered wide areas and a great deal of damage was done to crops, gardens, and trees by the hail.

*June 16.*—A terrific electric storm occurred in Columbiana County, Ohio, about 6 p. m. The storm was accompanied by hailstones measuring as much as 2 inches in diameter and 1 inch in thickness.

*June 18 and 19.*—During the night of the 18–19th severe storms, accompanied by excessive rainfalls, occurred over the southwestern portion of Pennsylvania, northern West Virginia, and western Maryland, causing losses estimated at several hundred thousand dollars. Greene County and a large portion of Washington County, Pa., were cut off from communication. In these counties a number of buildings with their contents were carried off by the floods into the Monongahela River. There were many narrow escapes from drowning, and there was also considerable damage from wind and lightning. Railroads through that section were tied up by landslides and washouts, and several railroad bridges and a number of county bridges were carried away. The Mesta Coal Company's damage was estimated at $10,000, besides the loss of 2 months' time required to make the necessary repairs. Several towns on the Cheat River were nearly inundated.

*June 19.*—Local thunderstorms, attended by hail and lightning, caused a great deal of damage in portions of Kentucky and Ohio. A number of barns were burned and numerous cattle were killed by the lightning.

*June 20.*—Severe hailstorms and excessive rains occurred in several counties in the north-central portion of Kentucky and in portions of Tennessee, Alabama, Ohio, West Virginia, and in Pike County, Ind. Considerable local damage resulted from these storms.

*June 24.*—Severe electric storms and wind squalls occurred in central Kentucky, southern Indiana, and southern Ohio. Considerable local damage was done to crops, trees, and electric wires. A Pullman sleeper on the west-bound Chesapeake and Ohio train was struck by lightning near Midway, Ky. The car was greatly damaged and all the windows on one side broken. Fortunately none of the passengers was injured, although several had narrow escapes, being stunned. A very severe and destructive hail and wind storm swept over Jefferson, N. C., on this date. The cooperative observer at that place gives the following account of the storm:

> The course of this storm was from the southeast and covered a territory about 7 miles broad and perhaps twice as long. During the hour preceding the storm the atmosphere was hot and sultry. The electrical display during the storm was phenomenal, flashes of lightning followed each other almost without intermission, resulting in clap after clap of thunder, fearful in intensity and nearness, the most sublime and awe-inspiring war of the elements ever seen in this mountain country. The damage done to crops and meadows will amount to several thousand dollars.

*June 25–28.*—In this period there were many severe local storms attended by excessive rains and damaging hail and lightning, especially in the southern, central, and eastern portions of the district. About the 27th these storms were especially severe in eastern Kentucky, western West Virginia, and southwestern Pennsylvania. In a number of places they were attended by cloudbursts, resulting in great destruction. In Jackson County, W. Va., a cloudburst occurred on Mill Creek, a small stream, causing it to become a raging torrent, sweeping everything before it. A number of houses and railroad bridges were carried away and several persons were drowned. This is an illustration of what occurred at several places in West Virginia and southwestern Pennsylvania. On the upper watershed of the Kentucky River, in Knott and Floyd counties, a cloudburst occurred in which 30 houses were swept away, farm crops were ruined, and the whole section devastated. At the headwaters of the Licking River a cloudburst covering about 10 miles of territory flooded the district, washing away many houses, drowning 5 persons, destroying a large number of live stock, carrying off with the flood the household effects of many families, and devastating the river valley for more than 20 miles of all the crops, garden truck, stored grain, and provisions, and leaving homeless some 500 to 1,000 people. Owing to the volume of water and suddenness of its approach, not only the homes of the citizens and their provisions and household effects were carried away, but the surface of the ground on which were their growing crops and other means of subsistence was washed away. The roads were filled with débris from the flood and by landslides from the mountains, and were so blockaded as to render travel impossible, even on horseback. The floods destroyed a large part of the growing crops, washed away fences, and rendered the citizens almost helpless over a distance of more than 75 miles down the valley. The damage and suffering were so great and extensive as to call for aid from the State and the people.

FATALITIES FROM LIGHTNING.

*June 15.*—Two men were killed, another fatally, and 6 others badly injured by lightning near Richmond, Ky. They, with a number of others, had taken shelter in a barn.

*June 17.*—Two men were killed by lightning at Irvine, Ky. They were struck while stacking lumber in a saw mill yard.

*June 20.*—A man was killed by lightning at Henderson, Ky. A barn in Bullitt County, Ky., was struck by lightning and destroyed, together with its contents, and a number of mules, horses, and cows were killed.

*June 22.*—A man was killed in Jeffersonville, Ind.

*June 23.*—A man was killed by lightning at Knoxville, Tenn., and a woman was fatally injured by lightning at Owensboro, Ky.

*June 24.*—A man was killed by lightning at Buckhannon, W. Va.

*June 27.*—Five mules and several cows were killed by lightning in Montgomery County, Ky.

POWER PROJECT AT BRISTOL, TENN.

Work was begun on a big power dam at the Horseshoe Bend of the Watauga River, in Carter County, Tenn. This project involves an expenditure of $250,000. The power is to be developed by the Doe River Light and Power Company, with a view to furnishing electricity for power purposes in Bristol. The light and power company is under contract to furnish power in Bristol by July 1 of next year. The dam will have a thickness of 48 feet at its base, and will be 50 feet high and 300 feet across.

TABLE 1.—*Climatological data for June, 1910. District No. 3, Ohio Valley.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *New York.* | | | | | | | | | | | | | | | | | | | | |
| Allegany | Cattaraugus | 1,441 | 4 | 61.5 | ..... | 89 | 22 | 33 | 4 | 43 | 2.10 | ..... | 0.54 | ..... | 13 | 14 | 6 | 10 | nw. | Charles E. Whitney. |
| Bolivar | Allegany | 1,800 | 16 | 61.8 | − 0.6 | 90 | 22 | 30 | 4 | 46 | 1.72 | − 2.53 | 0.37 | ..... | 9 | 10 | 3 | 17 | w. | Lowell Andrus. |
| Franklinville | Cattaraugus | 1,598 | 13 | 61.4 | − 1.2 | 88 | 29 | 32 | 7 | 44 | 1.98 | − 2.10 | 0.55 | ..... | 9 | 18 | 3 | 9 | w. | Dr. John W. Kales. |
| Olean | do | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.08 | ..... | 0.62 | ..... | 14 | 20 | 4 | 6 | w. | John W. Alles. |
| *Pennsylvania.* | | | | | | | | | | | | | | | | | | | | |
| Aleppo | Greene | 1,135 | 9 | 65.0 | ..... | 90 | 23 | 37 | 1 | 36 | 2.54 | ..... | 0.45 | 0.0 | 10 | 18 | 6 | 6 | sw. | J. S. Hinerman. |
| Baldwin | Butler | 1,404 | 4 | 64.6 | ..... | 89 | 22† | 38 | 3 | 34 | 1.68 | ..... | 0.46 | 0.0 | 12 | 14 | 6 | 10 | w. | S. H. Templeton. |
| Claysville | Washington | 1,127 | 6 | 66.6 | ..... | 95 | 23† | 37 | 8 | 40 | 3.11 | ..... | 0.86 | 0.0 | 14 | 11 | 14 | 5 | w. | E. T. Buchanan. |
| Franklin | Venango | 955 | 36 | 63.6 | − 2.4 | 90 | 23 | 39 | 8† | 32 | 2.18 | − 2.64 | 0.72 | 0.0 | 9 | 18 | 2 | 10 | nw. | F. E. Dixon. |
| Greenville | Mercer | 950 | 14 | 63.8 | − 2.9 | 91 | 23† | 35 | 8 | 40 | 1.33 | − 2.94 | 0.46 | 0.0 | 10 | 20 | 3 | 7 | nw. | A. M. Orr. |
| Indiana | Indiana | 1,350 | 13 | 65.4 | − 1.7 | 91 | 22† | 38 | 8 | 37 | 3.19 | − 1.78 | 0.84 | 0.0 | 11 | 9 | 4 | 17 | s. | Rev. J. M. Welch. |
| Johnstown | Cambria | 1,184 | 22 | 65.7 | − 3.8 | 94 | 22† | 40 | 8† | 38 | 3.76 | − 1.36 | 0.80 | 0.0 | 14 | 7 | 17 | 6 | s. | E. C. Lorentz. |
| Lycippus | Westmoreland | 1,420 | 18 | 65.4 | − 3.1 | 89 | 21† | 37 | 1 | 29 | 5.01 | + 0.77 | 2.19 | 0.0 | 13 | ..... | ..... | ..... | ..... | Murray Forbes. |
| Pittsburg | Allegheny | 842 | 40 | 67.0 | − 3.7 | 90 | 23 | 42 | 1 | 27 | 1.94 | − 1.77 | 0.44 | 0.0 | 13 | 12 | 5 | 13 | nw. | U. S. Weather Bureau. |
| Saegerstown | Crawford | 1,116 | 19 | 62.0 | − 3.4 | 90 | 30 | 35 | 8 | 40 | 1.73 | − 2.71 | 0.82 | 0.0 | 7 | 8 | 11 | 11 | nw. | J. G. Apple. |
| St. Marys | Elk | 1,740 | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Wm. E. Wittman. |
| Skidmore | Lawrence | 1,000 | 6 | 65.0 | ..... | 92[a] | 22 | 36[a] | 1† | 39[a] | 2.95 | ..... | 0.80[a] | 0.0 | 9[a] | 20[a] | 2[a] | 7[a] | sw. | W. H. Stoner. |
| Somerset | Somerset | 2,250 | 54 | 63.4 | − 2.2 | 88 | 22† | 35 | 1 | 35 | 8.68 | + 3.73 | 2.35 | 0.0 | 14 | 2 | 18 | 10 | sc. | W. M. Schrock. |
| Uniontown | Fayette | 999 | 22 | 65.5 | − 4.8 | 89 | 26 | 39 | 1 | 29 | 4.33 | − 0.42 | 2.00 | 0.0 | 14 | 4 | 15 | 11 | sw. | Wm. Hunt. |
| Warren | Warren | 1,137 | 21 | 62.4 | − 2.4 | 88 | 22 | 35 | 6 | 36 | 1.98 | − 2.25 | 0.72 | 0.0 | 5 | 16 | 1 | 13 | w. | Anna Simpson. |
| *Maryland.* | | | | | | | | | | | | | | | | | | | | |
| Deer Park | Garrett | ..... | 16 | 61.8 | − 1.4 | 99 | 20 | 30 | 8 | 54 | 5.95 | + 0.83 | 1.06 | 0.0 | 19 | ..... | ..... | ..... | ..... | S. P. Specht. |
| Grantsville | do | ..... | 16 | 60.4 | − 3.7 | 84 | 22† | 36 | 1 | 34 | 5.43 | + 1.36 | 0.85 | 0.0 | 17 | 1 | 22 | 7 | ..... | J. S. Miller. |
| Oakland | do | ..... | 10 | 61.6 | ..... | 87 | 30 | 34 | 8 | 36 | 6.34 | ..... | 1.10 | 0.0 | 21 | 9 | 8 | 13 | w. | R. E. Weber. |
| *West Virginia.* | | | | | | | | | | | | | | | | | | | | |
| Arbovale | Pocahontas | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Uriah Hevener, jr. |
| Bancroft | Putnam | ..... | 6 | 68.6 | ..... | 92 | 21 | 41 | 2 | 32 | 6.27 | ..... | 1.97 | 0.0 | 14 | 11 | 7 | 12 | sw. | James Hill. |
| Beckley | Raleigh | 2,440 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | John A. Ewart. |
| Ben's Run | Pleasants | 622 | 9 | 67.6 | ..... | 90 | 21† | 43 | 1 | 33 | 2.43 | ..... | 0.80 | 0.0 | 14 | 18 | 6 | 6 | ..... | J. D. Riggs. |
| Bluefield | Mercer | 2,563 | 15 | 63.8 | − 5.3 | 87 | 30 | 37 | 6† | 41 | 2.85 | − 2.59 | 1.54 | 0.0 | 7 | 9 | 8 | 13 | ..... | Norfolk & Western Ry. |
| Buckhannon | Upshur | 1,472 | 20 | 66.0 | − 3.2 | 89 | 24† | 38 | 8 | 36 | 6.20 | + 1.24 | 1.16 | 0.0 | 16 | 13 | 7 | 10 | ..... | H. A. Darnall. |
| Cairo | Ritchie | 667 | 8 | 68.0 | ..... | 94 | 24 | 40 | 4† | 35 | 3.26 | ..... | 1.10 | 0.0 | 10 | 6 | 17 | 7 | w. | Van A. Zevely. |
| Central Station | Doddridge | 900 | 11 | 70.0 | ..... | 89 | 22 | 35 | ..... | ..... | 2.52 | − 1.74 | 0.69 | 0.0 | ..... | ..... | ..... | ..... | ..... | G. W. Sherwood. |
| Charleston | Kanawha | 598 | 24 | 69.4 | ..... | 91 | 19 | 43 | 1 | 34 | 8.61 | + 4.02 | 2.72 | 0.0 | 12 | 14 | 8 | 8 | w. | R. C. Hewes. |
| Creston | Wirt | 612 | 10 | 67.8 | ..... | 91 | 24 | 41 | 2 | 38 | 4.32 | − 0.40 | 1.05 | 0.0 | 14 | 10 | 7 | 13 | w. | J. M. Reed. |
| Cuba | Jackson | 544 | 9 | 66.8 | ..... | 91 | 24 | 37 | 2 | 37 | 4.86 | + 0.84 | 2.60 | 0.0 | 13 | 11 | 13 | 6 | w. | C. T. Perry. |
| Doane | Wayne | ..... | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. H. Jude. |
| Elkhorn | McDowell | 1,933 | 18 | 66.4 | − 2.1 | 88 | 30 | 37 | 1 | 36 | 5.53 | + 0.41 | 1.00 | 0.0 | 17 | 15 | 7 | 8 | sw. | J. J. Lincoln. |
| Elkins | Randolph | 1,940 | 11 | 64.4 | − 2.2 | 89 | 30 | 38 | 1 | 35 | 8.05 | + 3.01 | 1.93 | 0.0 | 17 | 3 | 13 | 14 | w. | U. S. Weather Bureau. |
| Fairmont | Marion | 879 | 18 | 68.0 | ..... | 94 | 26 | 39 | 8 | 43 | 4.14 | − 0.51 | 0.68 | 0.0 | 15 | ..... | ..... | ..... | ..... | H. Glenn Fleming. |
| Glennville | Gilmer | 738 | 22 | 69.0 | − 1.2 | 94 | 22 | 42 | 1† | 37 | 4.22 | − 0.50 | 0.70 | 0.0 | 13 | 9 | 2 | 19 | sw. | John Holt. |
| Grafton | Taylor | 985 | 18 | 67.0 | − 1.7 | 91 | 22† | 40 | 1 | 36 | 4.17 | − 0.63 | 0.85 | 0.0 | 16 | 13 | 11 | 6 | ..... | John W. Snider. |
| Green Sulphur Springs | Summers | 1,600 | 14 | 66.4 | − 2.3 | 94 | 30 | 33 | 2 | 39 | 5.84 | + 1.65 | 1.53 | 0.0 | 14 | 18 | 1 | 11 | w' | John W. Dalton. |
| Hinton | do | 1,400 | 21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.00 | + 0.81 | 1.14 | 0.0 | 18 | ..... | ..... | ..... | sw. | V. V. Daly. |
| Huntingdon | Cabell | 510 | 15 | 70.1 | − 2.4 | 96 | 23 | 44 | 2 | 33 | 5.94 | + 1.50 | 1.34 | 0.0 | 14 | 16 | 6 | 8 | w. | L. H. Hutchinson. |
| Lewisburg | Greenbrier | 2,200 | 10 | 64.8 | − 2.8 | 87 | 30 | 34 | 2 | 39 | 6.05 | + 1.72 | 1.95 | 0.0 | 13 | 12 | 8 | 10 | w. | Geo. T. Afgabrite. |
| Logan | Logan | 665 | 8 | 70.7 | ..... | 93 | 30 | 43 | 2 | 40 | 7.09 | ..... | 1.47 | 0.0 | 12 | 2 | 28 | 0 | w. | H. C. Ragland. |
| Lost Creek | Harrison | 1,033 | 14 | 66.0 | − 2.4 | 91 | 23† | 37 | 8 | 39 | 3.51 | − 0.59 | 0.98 | 0.0 | 13 | 12 | 6 | 12 | w. | Allen Smith. |
| Madison | Boone | 704 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | S. E. Bradley. |
| Mannington | Marion | 967 | 7 | 66.2 | ..... | 90 | 20† | 38 | 8 | 39 | 3.11 | ..... | 0.67 | 0.0 | 15 | 14 | 5 | 11 | w. | Jas. A. Morgan. |
| Marlinton | Pocahontas | 2,169 | 11 | 60.9 | − 5.8 | 81 | 30 | 36 | 2 | 32 | 7.38 | + 2.25 | 1.00 | 0.0 | 13 | 7 | 12 | 11 | ..... | C. J. McCarty. |
| Morgantown | Monongalia | 1,250 | 36 | 65.6 | − 3.4 | 86 | 24 | 39 | 1 | 30 | 4.89 | + 0.18 | 1.39 | 0.0 | 16 | 10 | 10 | 10 | s. | Horace Atwood. |
| Moundsville | Marshall | 640 | 8 | 67.7 | ..... | 94 | 30 | 41 | 1† | 37 | 1.52 | ..... | 0.43 | 0.0 | 9 | 15 | 2 | 13 | nw. | J. E. Matthews. |
| New Cumberland | Hancock | 987 | 10 | 64.8 | − 3.7 | 91 | 23 | 40 | 1† | 35 | 1.75 | − 3.49 | 0.40 | 0.0 | 7 | 10 | 7 | 13 | w. | Frank S. Evans. |
| New Martinsville | Wetzel | 634 | 17 | 69.0 | − 2.6 | 95 | 30 | 42 | 2 | 36 | 1.55 | − 2.29 | 0.40 | 0.0 | 11 | 20 | 6 | 4 | s. | Wm. Ankron. |
| Nuttallburg | Fayette | 2,252 | 18 | 62.6 | − 6.0 | 85 | 20 | 38 | 1† | 34 | 5.86 | + 1.57 | 1.32 | 0.0 | 13 | 11 | 7 | 12 | ..... | Stephen Tully. |
| Parkersburg | Wood | 638 | 22 | 68.8 | − 2.8 | 92 | 23 | 44 | 1 | 31 | 1.75 | − 2.90 | 0.48 | 0.0 | 10 | 7 | 14 | 9 | n. | U. S. Weather Bureau. |
| Parsons | Tucker | 1,662 | 11 | 64.3 | − 2.1 | 92 | 30 | 38 | 1† | 38 | 11.27 | + 6.52 | 4.75 | 0.0 | 20 | 9 | 13 | 8 | ..... | J. W. Swisher. |
| Philippi | Barbour | 1,192 | 18 | 66.6 | − 1.3 | 92 | 30 | 39 | 8 | 38 | 4.45 | − 0.15 | 0.94 | 0.0 | 20 | 8 | 17 | 5 | w. | J. D. Dadisman. |
| Pickens | Randolph | 2,785 | 20 | 61.8 | − 3.5 | 90 | 30 | 33 | 1 | 43 | 10.60 | + 4.55 | 1.65 | 2.0 | 20 | 12 | 9 | 9 | w. | Dr. J. L. Cunningham. |
| Pineville | Wyoming | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | E. M. Senter. |
| Point Pleasant | Mason | 553 | 21 | 69.1 | − 4.2 | 93 | 19† | 42 | 2 | 32 | 4.08 | − 0.53 | 1.04 | 0.0 | 14 | 13 | 5 | 12 | sc. | E. H. Armstrong. |
| Powellton | Fayette | 904 | 14 | 68.7 | − 1.6 | 90 | 22† | 38 | 1 | 39 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | D. Swain. |
| Princeton | Mercer | 2,469 | 10 | 60.8 | ..... | 79 | 19 | 36 | 4 | 39 | 9.05 | + 1.68 | 1.45 | 0.0 | 12 | 4 | 18 | 8 | w. | H. Scott. |
| Robertsburg | Putnam | ..... | 1 | 68.6 | ..... | 93 | 23 | 41 | 2 | 39 | 7.32 | ..... | 3.45 | 0.0 | 12 | 15 | 4 | 11 | sw. | E. P. Turley. |
| Ryan | Roane | 639 | 7 | 66.1 | ..... | 90 | 23† | 37 | 2 | 36 | 7.12 | ..... | 2.87 | 0.0 | 13 | 8 | 9 | 13 | ..... | Wm. E. Ryan. |
| Smithfield | Wetzel | ..... | 6 | 65.2 | ..... | 88 | 25 | 40 | 8 | 30 | 2.62 | ..... | 0.48 | 0.0 | 10 | 14 | 8 | 8 | ne. | G. M. Whisler. |
| Spencer | Roane | 710 | 7 | 66.5 | ..... | 92 | 20 | 37 | 2† | 49 | 6.57 | + 2.03 | 2.52 | 0.0 | 10 | 1 | 21 | 8 | ..... | A. M. McKown. |
| Sutton | Braxton | ..... | 5 | 71.4 | ..... | 95 | 22† | 44 | 1† | 38 | 6.93 | ..... | 1.50 | 0.0 | 12 | 12[a] | 2[a] | 15[a] | ..... | J. E. Baughman. |
| Terra Alta | Preston | 3,207 | 10 | 64.8 | − 0.3 | 90 | 28† | 35 | 3† | 33 | 8.21 | + 1.31 | 0.85 | 0.0 | 18 | 5 | 12 | 13 | sw. | C. F. Dodge. |
| Union | Monroe | ..... | 7 | 64.0 | ..... | 88 | 30 | 33 | 4 | 37 | 4.62 | ..... | 0.72 | 0.0 | 10 | ..... | ..... | ..... | ..... | Shelton Clark. |
| Valley Fork | Clay | ..... | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.97 | ..... | 2.07 | 0.0 | 7 | 7 | 20 | 3 | ..... | Miss Blanche Pierson. |
| Webster Springs | Webster | 1,500 | 7 | 65.8 | ..... | 88 | 23† | 38 | 3† | 36 | 8.58 | ..... | 1.50 | T. | 18 | 5 | 14 | 11 | sc. | D. H. Hamrick. |
| Wellsburg | Brooke | 1,225 | 10 | 65.2 | ..... | 89 | 23 | 40 | 1 | 27 | 2.58 | − 2.30 | 0.85 | 0.0 | 11 | 10 | 14 | 6 | w. | C. P. Waugh. |
| Weston | Lewis | 824 | 21 | 64.2 | ..... | 94[a] | 22 | 32[a] | 4 | 38[a] | 4.21 | − 0.59 | 0.70 | 0.0 | 17 | 11 | 8 | 11 | sw. | Miss C. M. Davis. |
| Wheeling | Ohio | 645 | 26 | 68.4 | ..... | 96 | 22 | 42 | 1† | 39 | 2.27 | − 1.71 | 0.48 | 0.0 | 13 | 14 | 7 | 9 | sw. | Miss M. B. Forsyth. |
| Williamson | Mingo | 660 | 10 | 70.6 | ..... | 92 | 21† | 44 | 2 | 34 | 5.56 | − 0.15 | 1.04 | 0.0 | 13 | 11 | 9 | 10 | e. | J. F. Keyser. |
| *Ohio.* | | | | | | | | | | | | | | | | | | | | |
| Amesville | Athens | 630 | 6 | 68.0 | ..... | 96 | 24 | 36 | 2 | 39 | 3.03 | ..... | 0.70 | 0.0 | 13 | 16 | 8 | 6 | sw. | F. W. Gibson. |
| Bangorville | Richland | 1,380 | 23 | 65.7 | − 2.8 | 92 | 23† | 38 | 1 | 30 | 3.50 | − 0.70 | 1.15 | 0.0 | 14 | 11 | 12 | 7 | nw. | S. M. Painter. |
| Bellefontaine | Logan | 1,276 | 16 | 65.0 | − 3.7 | 93 | 26† | 34 | 2 | 36 | 1.77 | − 2.40 | 0.59 | 0.0 | 10 | 15 | 7 | 8 | s. | Cory L. Lane. |
| Bladensburg | Knox | 1,100 | 19 | 63.0 | − 5.2 | 89 | 26 | 36 | 3† | 33 | 1.75 | − 1.08 | 0.43 | 0.0 | 9 | 6 | 20 | 4 | sw. | Miss Mary Elliott. |
| Cadiz | Harrison | 1,245 | 7 | 67.2 | ..... | 93 | 23† | 39 | 1 | 32 | 2.44 | ..... | 0.66 | 0.0 | 12 | 16 | 6 | 8 | nw. | Harry B. McConnell. |
| Cambridge | Guernsey | 803 | 18 | 65.4 | − 2.9 | 91 | 30 | 37 | 2 | 36 | 2.67 | − 1.23 | 1.30 | 0.0 | 7 | 9 | 16 | 5 | ..... | Samuel Mehaffey. |
| Camp Dennison | Hamilton | 570 | 17 | 68.0 | − 4.3 | 97 | 26 | 40 | 2 | 35 | 4.80 | + 1.62 | 3.35 | 0.0 | 7 | 15 | 11 | 4 | n. | Henry F. Pinkvoss. |
| Canal Dover | Tuscarawas | 884 | 17 | 65.4 | − 2.9 | 91 | 23† | 37 | 8 | 39 | 2.36 | − 1.47 | 0.55 | 0.0 | 11 | 9 | 14 | 7 | w. | Ed. S. Slingluff. |
| Canton | Stark | 1,065 | 27 | 64.4 | − 4.2 | 91 | 23 | 37 | 1 | 34 | 3.15 | − 1.09 | 0.76 | 0.0 | 14 | 12 | 10 | 8 | nw. | Prof. C. F. Stokey. |
| Cardington | Morrow | 1,010 | 15 | 63.8[c] | − 3.5 | 92[c] | 19 | 34 | 2 | 38[c] | 2.20 | − 1.69 | 0.55 | 0.0 | 10 | 17 | 8 | 5 | nw. | Ansel E. Salisbury. |
| Cincinnati | Hamilton | 628 | 39 | 70.4 | − 3.3 | 95 | 19 | 43 | 3 | 27 | 3.01 | − 0.97 | 1.76 | 0.0 | 7 | 7 | 16 | 7 | n. | U. S. Weather Bureau. |
| Circleville | Pickaway | 694 | 22 | ..... | ..... | 94 | 23† | 40 | 2 | ..... | 2.97 | − 1.12 | 1.60 | 0.0 | 7 | 13 | 7 | 10 | sw. | Hon. S. W. Courtright |
| Clarington | Monroe | 600 | 7 | 66.3 | ..... | 91 | 21† | 39 | 1 | 37 | 2.13 | ..... | 0.30 | 0.0 | 18 | 7 | 12 | 11 | sw. | Col. S. Tschappat. |
| Columbus | Franklin | 918 | 32 | 68.4 | − 2.6 | 94 | 26 | 41 | 1 | 31 | 2.93 | − 0.56 | 1.61 | 0.0 | 10 | 9 | 13 | 8 | n. | U. S. Weather Bureau. |
| Coshocton | Coshocton | 770 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.87 | ..... | 1.40 | ..... | ..... | 14 | ..... | ..... | ..... | Mrs. Ada Jeffries. |
| Dayton | Montgomery | 790 | 29 | 68.2 | − 4.0 | 96 | 23† | 41 | 2 | 37 | 2.11 | − 1.93 | 0.50 | 0.0 | 9 | 13 | 13 | 4 | e. | Mrs. Edith L. Boyer. |
| Delaware | Delaware | 927 | 13 | 66.0 | − 2.8 | 92 | 21† | 36 | 2 | 35 | 2.37 | − 1.18 | 0.72 | 0.0 | 10 | 15 | 5 | 10 | sw. | Prof. L. L. Hudson. |
| Demos | Belmont | 1,325 | 22 | 67.1 | − 2.6 | 94 | 23 | 38 | 1 | 32 | 1.60 | − 2.72 | 0.43 | 0.0 | 12 | 15 | 8 | 7 | s. | J. T. Dysart. |
| Dennisons | Tuscarawas | 908 | .... | 67.4 | ..... | 95 | 30 | 37 | 8 | 44 | 3.42 | ..... | 0.93 | 0.0 | 13 | 14 | 13 | 3 | n. | Water Supply Co. |

TABLE 1.—*Climatological data for June, 1910. District No. 3*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Ohio*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Frankfort | Ross | 750 | 18 | 68.2 | − 2.5 | 95 | 23 | 43 | 4 | 34 | 5.52 | + 2.37 | 1.00 | 0.0 | 10 | 16 | 7 | 7 | sw. | O. A. Cory. |
| Garrettsville | Portage | 1,005 | 26 | 62.4 | − 3.0 | 90 | 23 | 35 | 4 | 37 | 1.62 | − 2.07 | 0.73 | 0.0 | 8 | 15 | 7 | 8 | nw. | S. M. Luther. |
| Granville | Licking | 960 | 28 | 66.1 | − 3.1 | 94 | 23 | 37 | 2 | 36 | 2.43 | − 1.54 | 1.33 | 0.0 | 10 | 19 | 0 | 11 | sw. | Dr. L. E. Davis. |
| Gratiot§ | ....do | 1,000 | 21 | 64.9 | − 4.5 | 89 | 23 | 38 | •2† | 32 | 2.69 | − 1.52 | 0.69 | 0.0 | 10 | 5 | 17 | 8 | sw. | W. B. Longstret. |
| Green | Adams | 500 | 17 | 67.8 | − 4.2 | 94 | 28 | 40 | 2 | 37 | 5.37 | + 1.21 | 2.00 | 0.0 | 8 | 13 | 10 | 7 | w. | W. F. Kenyon. |
| Green Hill | Columbiana | 1,135 | 18 | 62.4 | − 3.8 | 90 | 30 | 34 | 8 | 39 | 2.41 | − 1.61 | 0.60 | 0.0 | 12 | 12 | 13 | 5 | sw. | Jos. E. Bentley. |
| Greenville | Darke | 1,060 | 24 | 67.6 | − 1.8 | 94 | 26 | 40 | 1† | 36 | 2.24 | − 2.09 | 1.07 | 0.0 | 8 | 16 | 6 | 8 | n. | G. A. Katzenberger. |
| Hillsboro | Highland | 1,063 | 31 | 66.5 | − 5.3 | 91 | 23 | 43 | 1† | 29 | 6.49 | + 3.08 | 2.30 | 0.0 | 10 | 9 | 16 | 5 | sw. | Carey H. Roush. |
| Ironton | Lawrence | 575 | 27 | 69.2 | − 2.0 | 94 | 19 | 41 | 2 | 42 | 6.43 | + 1.90 | 1.71 | 0.0 | 14 | 17 | 7 | 6 | sw. | James Bull. |
| Jacksonburg | Butler | 975 | 42 | 68.2 | − 3.5 | 95 | 26 | 40 | 3† | 35 | 1.71 | − 2.38 | 0.75 | 0.0 | 6 | 13 | 9 | 8 | n. | Dr. J. B. Owsley. |
| Kenton | Hardin | 1,015 | 18 | 64.6 | − 5.1 | 94 | 23 | 34 | 2 | 40 | 1.84 | − 2.65 | 0.52 | 0.0 | 10 | 16 | 7 | 7 | w. | N. S. Martin. |
| Killbuck | Holmes | 1,087 | 18 | 64.5 | − 4.0 | 90 | 23† | 38 | 3 | 34 | 3.14 | − 0.30 | 1.17 | 0.0 | 9 | 15 | 8 | 7 | n. | Geo. W. Nowels. |
| Lancaster | Fairfield | 898 | 15 | 67.6 | − 1.5 | 91 | 23 | 40 | 2 | 29 | 4.63 | − 0.01 | 1.12 | 0.0 | 11 | 15 | 7 | 8 | sw. | R. L. Renshaw. |
| Lawsbe | Adams | 900 | 7 | 67.3 | ..... | 95 | 24 | 37 | 2 | 35 | 6.96 | ..... | 2.08 | 0.0 | 13 | 13 | 10 | 7 | w. | Miss Ruth Hoffman. |
| McConnelsville | Morgan | 710 | 26 | 67.2 | − 2.9 | 92 | 23† | 39 | 2 | 33 | 2.86 | − 1.46 | 0.80 | 0.0 | 11 | 4 | 20 | 6 | s. | C. H. Morris. |
| Marietta | Washington | 637 | 90 | 69.0 | − 1.2 | 95 | 23 | 42 | 4 | 37 | 1.92 | − 2.31 | 0.40 | 0.0 | 14 | 5 | 18 | 7 | s. | Prof. T. D. Biscoe. |
| Marion | Marion | 980 | 32 | 66.7 | − 3.0 | 96 | 23 | 36 | 2 | 38 | 2.31 | − 1.76 | 0.56 | 0.0 | 9 | 13 | 12 | 5 | nw. | Dr. E. H. Raffensperger. |
| Milfordton | Knox | 1,200 | 18 | 65.0 | − 2.8 | 91 | 26 | 38 | 4 | 34 | 2.12 | − 1.47 | 0.72 | 0.0 | 7 | 20 | 5 | 5 | nw. | L. H. Burgess. |
| Milligan§ | Perry | 875 | 17 | 65.3 | − 4.2 | 93 | 30 | 36 | 2 | 37 | 2.69 | − 1.57 | 0.82 | 0.0 | 11 | 7 | 18 | 5 | nw. | V. C. Eveland. |
| Millport | Columbiana | 1,145 | 18 | 63.6 | − 3.3 | 89 | 22† | 36 | 8 | 38 | 3.24 | − 0.56 | 0.80 | 0.0 | 12 | 6 | 18 | 6 | sw. | G. F. Copeland. |
| Nellie | Coshocton | 850 | 10 | 64.6 | − 4.7 | 91 | 21† | 36 | 2 | 37 | 2.17 | − 1.68 | 0.45 | 0.0 | 11 | 11 | 15 | 4 | w. | Miss Ethel L. Gamertafelder |
| New Alexandria | Jefferson | 1,050 | 25 | 65.3 | − 4.1 | 93 | 30 | 38 | 3 | 33 | 2.20 | − 1.96 | 0.90 | 0.0 | 4 | 16 | 7 | 7 | e. | Mrs. Mary K. Pennell. |
| New Berlin | Stark | 1,100 | 18 | 64.4 | − 3.4 | 92 | 23 | 37 | 1 | 35 | 3.14 | − 0.46 | 1.00 | 0.0 | 13 | 18 | 6 | 6 | nw. | Clayton Holl. |
| New Waterford | Columbiana | 1,053 | 16 | 64.8 | − 2.5 | 91 | 22† | 36 | 8 | 39 | 2.12 | − 2.55 | 1.40 | 0.0 | ... | 14 | 12 | 4 | sw. | Sam. C. Scott. |
| Ohio State University | Franklin | 757 | 27 | 66.6 | − 3.1 | 93 | 26 | 38 | 2 | 33 | 2.92 | − 0.61 | 0.78 | 0.0 | 7 | 6 | 19 | 5 | ne. | Prof. H. C. Lord. |
| Pataskala | Licking | 997 | 18 | 65.8 | − 3.7 | 92 | 23† | 37 | 2 | 33 | 2.38 | − 1.75 | 0.66 | 0.0 | 10 | 7 | 18 | 5 | w. | J. N. Ridenour. |
| Philo(1) | Muskingum | 1,018 | 15 | 66.2 | − 4.3 | 90 | 30 | 39 | 1† | 30 | 2.77 | − 0.99 | 1.31 | 0.0 | 12 | 11 | 13 | 6 | nw. | L. C. Burckholter. |
| Plattsburg | Clarke | 1,130 | 17 | 66.2 | − 3.2 | 93 | 23† | 41 | 1† | 32 | 3.56 | − 0.30 | 1.46 | 0.0 | 10 | 13 | 10 | 7 | w. | F. E. Stewart. |
| Pomeroy | Meigs | 781 | 26 | 68.8 | − 4.1 | 95 | 23† | 42 | 1 | 30 | 3.15 | − 0.72 | 1.24 | 0.0 | 13 | 10 | 14 | 6 | w. | W. G. Branch. |
| Portsmouth | Scioto | 527 | 79 | 69.0 | − 3.6 | 94 | 19 | 44 | 2† | 31 | 5.18 | + 1.08 | 1.66 | 0.0 | 12 | 18 | 4 | 8 | w. | Dr. H. A. Schirrmann. |
| Rittman | Wayne | 990 | 18 | 63.4 | − 3.5 | 91 | 26 | 35 | 1 | 41 | 2.16 | − 1.15 | 0.60 | 0.0 | 7 | 15 | 8 | 7 | w. | J. B. Gish. |
| Shenandoah§ | Richland | 1,100 | 18 | 62.8 | − 4.3 | 90 | 23† | 33 | 4 | 36 | 3.19 | − 0.69 | 0.75 | 0.0 | 8 | 3 | 21 | 6 | sw. | T. B. Arnett. |
| Sidney | Shelby | 985 | 27 | 67.8 | − 2.6 | 95 | 23 | 39 | 2 | 36 | 2.07 | − 1.73 | 0.27 | 0.0 | 14 | 16 | 6 | 8 | nw. | Hamline B. Blake. |
| Somerset | Perry | 1,080 | 11 | 67.6 | − 3.1 | 94 | 23 | 40 | 1† | 31 | 4.69 | − 0.08 | 1.34 | 0.0 | 13 | 17 | 4 | 9 | w. | Miss M. W. C. Sheridan. |
| Springfield | Clarke | 1,002 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.78 | − 2.65 | 0.66 | 0.0 | 9 | 8 | 19 | 3 | ne. | W. A. Webster. |
| Summerfield | Noble | 1,187 | 4 | 65.2 | ..... | 91 | 23† | 37 | 2 | 38 | 2.23 | ..... | 0.39 | 0.0 | 13 | 8 | 17 | 5 | sw. | H. R. McClintock. |
| Thurman | Gallia | 696 | 17 | 68.0 | − 3.9 | 90 | 19† | 42 | 1 | 29 | 3.48 | − 0.83 | 0.73 | 0.0 | 7 | 2 | 19 | 9 | w. | D. D. Thomas |
| Urbana | Champaign | 1,031 | 40 | 66.9 | − 1.7 | 97 | 23 | 36 | 2 | 39 | 1.64 | − 2.72 | 0.44 | 0.0 | 6 | 10 | 14 | 6 | nw. | Prof. J. H. Williams. |
| Warren | Trumbull | 900 | 21 | 64.5 | − 3.0 | 92 | 30 | 37 | 8 | 38 | 1.30 | − 2.25 | 0.42 | 0.0 | 7 | 15 | 5 | 10 | sw. | M. D. McCorkle. |
| Waverly§ | Pike | 590 | 27 | 68.2 | − 4.1 | 95 | 19† | 43 | 2† | 40 | 5.12 | + 1.13 | 1.83 | 0.0 | 11 | 20 | 1 | 9 | s. | David Lorbach. |
| Waynesville | Warren | 700 | 25 | 67.4 | − 2.5 | 92 | 24† | 42 | 1† | 30 | 1.66 | − 2.46 | 0.55 | 0.0 | 7 | 15 | 10 | 5 | ne. | Charles Michener. |
| Wooster | Wayne | 1,030 | 30 | 64.1 | − 3.7 | 90 | 23† | 35 | 8 | 38 | 2.57 | − 1.57 | 1.07 | 0.0 | 10 | 16 | 5 | 9 | w. | Experiment Station. |
| Youngstown | Mahoning | 846 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.71 | − 1.29 | 0.55 | 0.0 | 11 | 21 | 0 | 9 | w. | G. R. Patton. |
| Zanesville | Muskingum | 709 | 23 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.60 | − 1.30 | 1.44 | 0.0 | 8 | 18 | 2 | 10 | s. | S. G. Sprague. |
| *Virginia.* | | | | | | | | | | | | | | | | | | | | |
| Big Stone Gap | Wise | 1,540 | 19 | 67.7 | − 2.4 | 88 | 30 | 39 | 2 | 36 | 4.43 | − 0.43 | 1.40 | 0.0 | 13 | 12 | 7 | 11 | w. | John W. Fox, sr. |
| Blacksburg | Montgomery | 2,170 | 19 | 63.6 | − 4.3 | 86 | 21† | 35 | 4 | 40 | 10.44 | + 6.12 | 2.05 | 0.0 | 13 | 8 | 12 | 10 | e. | Agricultural Exp. Station. |
| Burkes Garden | Tazewell | 3,250 | 15 | 60.4 | − 3.7 | 79 | 19† | 29 | 4 | 45 | 5.12 | − 0.79 | 1.56 | 0.0 | 11 | 8 | 5 | 17 | w. | C. H. Greever. |
| Elk Knob | Lee | 3,243 | 7 | 67.6 | ..... | 85 | 30 | 41 | 3 | 28 | 3.23 | ..... | 0.73 | 0.0 | 19 | 5 | 15 | 10 | sw. | Henry Nicoll. |
| Galax | Grayson | 2,300 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | E. C. Williams. |
| Ivanhoe**§ | Wythe | 2,028 | 6 | 65.1 | ..... | 82 | 21† | 44 | 4 | 28 | 6.56 | ..... | 1.24 | 0.0 | 14 | 9 | 14 | 7 | w. | Miss Alice G. Jewett. |
| Lebanon | Russell | 2,131 | ... | 65.2 | ..... | 87 | 21 | 37 | 2 | 36 | 3.21 | ..... | 0.59 | 0.0 | 14 | 10 | 10 | 10 | sw. | R. D. Swain. |
| Marion | Smyth | 2,224 | 15 | 65.7 | − 3.9 | 86 | 19† | 38 | 2 | 40 | 4.49 | − 0.86 | 1.09 | 0.0 | 12 | 16 | 11 | 3 | sw. | S. W'n State Hospital. |
| Max Meadows | Wythe | 2,028 | 14 | 64.2 | − 3.8 | 86 | 21† | 36 | 2 | 40 | 6.56 | ..... | 1.51 | 0.0 | 12 | 17 | 4 | 9 | sw. | James M. Graham. |
| Mendota | Washington | 1,350 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.43 | ..... | 1.14 | 0.0 | 15 | ..... | ..... | ..... | ..... | Frank M. Baker. |
| Radford | Montgomery | 1,773 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.38 | ..... | 1.40 | 0.0 | 12 | ..... | ..... | ..... | ..... | Arthur Roberts. |
| Speers Ferry | Scott | 1,221 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.62 | + 2.88 | 2.08 | 0.0 | 11 | ..... | ..... | ..... | ..... | Mrs. L. E. Venable. |
| Wytheville | Wythe | 2,293 | 17 | 65.0 | − 3.7 | 87 | 30 | 38 | 4 | 40 | 5.06 | + 0.95 | 1.22 | 0.0 | 17 | 12 | 10 | 8 | w. | U. S. Weather Bureau. |
| *North Carolina.* | | | | | | | | | | | | | | | | | | | | |
| Andrews | Cherokee | 1,800 | .... | 68.4 | ..... | 89 | 18 | 40 | 2 | 35 | 8.42 | ..... | 1.86 | 0.0 | 19 | 5 | 22 | 3 | sw. | J. D. Link. |
| Asheville | Buncombe | 2,250 | 31 | 67.0 | − 1.7 | 86 | 20 | 44 | 2 | 30 | 5.44 | + 1.09 | 1.97 | 0.0 | 15 | 5 | 16 | 9 | se. | U. S. Weather Bureau. |
| Banners Elk | Watauga | 3,750 | 2 | 60.6 | ..... | 80 | 20† | 33 | 2 | 35 | 6.81 | ..... | 0.75 | 0.0 | 18 | 11 | 8 | 11 | w. | T. L. Lowe. |
| Brevard | Transylvania | 2,230 | 9 | 66.4 | ..... | 86 | 18† | 39 | 2 | 40 | 5.22 | ..... | 1.03 | 0.0 | 17 | 9 | 18 | 3 | s. | W. E. Breese. |
| Bryson City | Swain | 2,000 | 22 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.74 | + 1.50 | 1.86 | 0.0 | 14 | ..... | ..... | ..... | ..... | D. K. Collins. |
| Cullowhee | Jackson | 2,100 | .... | 67.0 | ..... | 86 | 18† | 40 | 1† | 38 | 6.22 | ..... | 1.80 | 0.0 | 17 | 5 | 9 | 16 | s. | F. H. Brown. |
| Hendersonville | Henderson | 2,167 | 14 | 66.7 | − 3.2 | 86 | 18† | 36 | 2 | 38 | 5.38 | − 0.87 | 1.35 | 0.0 | 11 | 13 | 9 | 7 | s. | T. W. Valentine. |
| Highlands | Macon | 3,670 | 20 | 60.4 | − 4.2 | 79 | 19 | 40 | 3 | 30 | 10.46 | + 3.73 | 1.90 | 0.0 | 17 | 6 | 5 | 19 | se. | T. G. Harbison. |
| Hot Springs | Madison | 1,326 | 12 | 69.1 | − 2.7 | 87 | 20† | 43 | 1† | 32 | 4.51 | ..... | 1.35 | 0.0 | 16 | 7 | 15 | 8 | w. | P. A. Garner. |
| Jefferson | Ashe | 2,800 | 3 | 64.4 | ..... | 83 | 19† | 40 | 4 | 36 | 10.75 | ..... | 2.70 | 0.0 | 11 | 4 | 7 | 19 | s. | E. J. Johnson. |
| Marshall | Madison | 1,646 | 9 | 70.0 | ..... | 87 | 21 | 43 | 1 | 24 | 3.04 | ..... | 0.91 | 0.0 | 12 | ..... | ..... | ..... | ..... | W. E. Finley. |
| Murphy | Cherokee | 1,614 | 34 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8.82 | + 3.48 | 1.70 | 0.0 | 12 | ..... | ..... | ..... | ..... | Miss J. Campbell. |
| Rock House | Macon | 3,100 | 18 | 64.0 | − 5.0 | 81 | 19 | 43 | 2 | 25 | 6.62 | − 1.43 | 1.75 | ..... | 16 | 4 | 14 | 12 | e. | B. C. Hawkins. |
| Waynesville | Haywood | 2,756 | 16 | 65.1 | − 2.8 | 84 | 19 | 42 | 2 | 34 | 5.69 | + 1.39 | 1.25 | 0.0 | 13 | 10 | 10 | 10 | sw. | J. C. L. Gudger. |
| *Georgia.* | | | | | | | | | | | | | | | | | | | | |
| Diamond | Gilmer | 2,020 | 19 | 67.8 | − 2.9 | 84 | 19 | 41 | 1† | 33 | 8.51 | + 2.63 | 2.43 | 0.0 | 14 | 9 | 10 | 11 | ..... | R. A. Kimsey. |
| La Fayette | Walker | 871 | 3 | 72.8 | ..... | 92 | 17 | 44 | 2 | 35 | 9.75 | ..... | 2.28 | 0.0 | 14 | 8 | 9 | 13 | nw. | Ralph A. Snow. |
| *Alabama.* | | | | | | | | | | | | | | | | | | | | |
| Bridgeport | Jackson | 660 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8.77 | + 4.87 | 1.95 | 0.0 | 15 | 11 | 1 | 18 | n. | Miss Maggie Rinkle. |
| Decatur | Morgan | 573 | 28 | 73.8 | − 3.7 | 95 | 18 | 51 | 2† | 34 | 7.23 | + 3.80 | 1.84 | 0.0 | 14 | 12 | 4 | 14 | s. | Ernest A. Carriger. |
| Florence | Lauderdale | 563 | 26 | 76.2 | − 0.3 | 89 | 4† | 50 | 1 | 28 | 5.04 | + 0.39 | 2.32 | 0.0 | 11 | 13 | 4 | 13 | e. | G. H. Smith. |
| Guntersville | Marshall | 580 | 5 | 72.9 | ..... | 91 | 18† | 46 | 2 | 36 | 7.32 | ..... | 1.64 | 0.0 | 13 | 8 | 4 | 18 | e. | L. S. Long. |
| Madison | Madison | 573 | 16 | 72.2 | − 4.6 | 91 | 25 | 48 | 2 | 31 | 6.70 | + 2.38 | 1.60 | 0.0 | 13 | 10 | 20 | 0 | nw. | Albert Klish. |
| Riverton | Colbert | 360 | 13 | 72.0 | − 3.8 | 94 | 25† | 46 | 2 | 33 | 7.40 | + 3.62 | 3.69 | 0.0 | 11 | 10 | 11 | 9 | e. | Ernie J. Moore. |
| Scottsboro | Jackson | 652 | 27 | 71.7 | − 3.7 | 88[b] | 17† | 44[b] | 2 | 33[b] | 9.37 | + 4.98 | 2.21 | 0.0 | 14 | 6 | 20 | 4 | sw. | Miss Irene Caldwell. |
| Tuscumbia | Colbert | 488 | 28 | 74.4 | − 2.7 | 93 | 17† | 52 | 2 | 31 | 7.44 | + 3.12 | 2.20 | 0.0 | 12 | 10 | 7 | 13 | se. | Samuel Moore. |
| *Tennessee.* | | | | | | | | | | | | | | | | | | | | |
| Ashwood | Maury | 725 | 31 | 71.4 | − 4.1 | 89 | 27 | 53 | 3 | 32 | 6.54 | + 2.48 | 1.47 | 0.0 | 12 | 8 | 13 | 9 | s. | Mrs. J. W. Fleming. |
| Benton | Polk | 880 | 25 | 71.3 | − 2.7 | 91 | 25 | 44 | 2 | 36 | 7.57 | + 2.14 | 1.97 | 0.0 | 16 | 5 | 20 | 5 | n. | G. L. Williams. |
| Byrdstown | Pickett | 1,026 | 17 | 70.6 | − 2.7 | 91 | 19 | 43 | 3 | 33 | 8.10 | + 3.36 | 2.00 | 0.0 | 12 | 8 | 12 | 10 | sw. | John Lacy. |
| Carthage | Smith | 500 | 26 | 72.2 | − 3.4 | 92 | 19† | 44 | 3 | 34 | 7.05 | + 2.38 | 1.30 | 0.0 | 18 | 14 | 8 | 8 | sw. | E. C. Pickering. |
| Cedar Hill | Robertson | 625 | 10 | 72.2 | ..... | 94 | 19 | 45 | 3 | 30 | 4.75 | ..... | 1.15 | 0.0 | 11 | 15 | 12 | 3 | s. | J. F. Ruffin. |
| Chattanooga | Hamilton | 808 | 31 | 71.9 | − 3.5 | 89 | 18 | 50 | 2 | 27 | 6.65 | + 2.34 | 2.29 | 0.0 | 18 | 7 | 13 | 10 | w. | U. S. Weather Bureau. |
| Clarksville | Montgomery | 520 | 47 | 72.0 | − 3.3 | 92 | 19† | 48 | 3 | 29 | 3.67 | − 0.47 | 1.17 | 0.0 | 11 | 11 | 15 | 4 | s. | Prof. Jas. A. Lyon. |
| Decatur | Meigs | 850 | 14 | 71.4 | − 3.5 | 92 | 17† | 42 | 2 | 37 | 6.55 | + 1.84 | 1.47 | 0.0 | 18 | 12 | 14 | 4 | sw. | J. W. Lillard. |
| Dickson | Dickson | 800 | 14 | 69.4 | − 4.8 | 89 | 21 | 45 | 1† | 29 | 8.06 | + 4.36 | 2.12 | 0.0 | 12 | 9 | 16 | 5 | s. | N. R. Sugg. |
| Dover | Stewart | ..... | 15 | 72.0 | − 3.7 | 95 | 20 | 46 | 3 | 35 | 3.06 | ..... | 0.86 | 0.0 | 6 | 12 | 11 | 7 | s. | A. M. Tippit. |
| Dunlap | Sequatchie | 720 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | S. B. Boyd. |

TABLE 1.—*Climatological data for June, 1910. District No. 3*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Tennessee*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Elizabethton | Carter | 1,575 | 20 | | | | | | | | | | | | | | | | | Lee F. Miller. |
| Erasmus | Cumberland | 1,850 | 13 | 66.0 | − 3.3 | 88 | 25 | 36 | 2 | 37 | 7.25 | + 2.32 | 1.52 | 0.0 | 18 | 11 | 12 | 7 | se. | Mrs. E. D. Ashley. |
| Florence | Rutherford | 560 | 28 | 71.1 | − 4.3 | 88 | 18 | 48 | 2 | 29 | 7.69 | + 3.92 | 1.58 | 0.0 | 12 | 15 | 10 | 5 | sw. | Erastus P. Bell. |
| Franklin | Williamson | 655 | 20 | 70.2 | − 5.1 | 89 | 19 | 47 | 2 | 29 | 6.49 | + 2.56 | 1.68 | 0.0 | 11 | 6 | 14 | 10 | ..... | J. L. Parkes, jr. |
| Harriman | Roane | 841 | 15 | 72.2 | − 2.3 | 93 | 19† | 43 | 2 | 36 | 4.57 | + 0.38 | 0.88 | 0.0 | 11 | 5 | 21 | 4 | ..... | Robert R. Ayers. |
| Hohenwald | Lewis | 983 | 24 | 70.4 | − 3.8 | 91 | 17† | 44 | 2 | 37 | 4.03 | − 1.06 | 1.60 | 0.0 | 9 | 11 | 14 | 5 | ne. | John Lutselman. |
| Iron City | Lawrence | ..... | 13 | 70.8 | ..... | 90 | 4† | 46 | 2 | 37 | 5.20 | + 0.04 | 2.16 | 0.0 | 9 | 4 | 26 | 0 | nw. | Capt. H. P. Seavy. |
| Johnsonville | Humphreys | 364 | 14 | 71.5 | − 4.0 | 94 | 20 | 46 | 2 | 35 | 3.69 | − 0.45 | 0.80 | 0.0 | 11 | 9 | 13 | 8 | s. | Miss Sallie B. Matthews. |
| Jonesboro | Washington | 1,740 | 15 | 68.8 | − 3.1 | 90 | 22 | 38 | 2† | 35 | 3.29 | − 1.43 | 1.26 | 0.0 | 9 | 14 | 11 | 5 | ne. | Robert A. Lovegrove. |
| Knoxville | Knox | 977 | 39 | 71.2 | − 2.2 | 90 | 19 | 51 | 1 | 26 | 3.13 | − 1.04 | 0.98 | 0.0 | 16 | 3 | 19 | 8 | sw. | U. S. Weather Bureau. |
| Lebanon | Wilson | 522 | 1 | 71.3 | ..... | 91 | 18 | 48 | 2† | 34 | 9.01 | ..... | 3.43 | 0.0 | 12 | 9 | 7 | 14 | n. | Logan Fields. |
| Lewisburg | Marshall | 727 | 15 | 72.4 | − 3.6 | 93 | 18 | 52 | 1 | 34 | 5.17 | + 1.29 | 3.25 | 0.0 | 11 | 11 | 15 | 4 | n. | Dr. R. D. Crutcher. |
| Lynnville | Giles | 770 | 22 | 71.6 | − 4.0 | 89 | 18† | 47 | 2 | 34 | 7.99 | + 3.65 | 4.71 | 0.0 | 8 | 9 | 21 | 0 | s. | Col. J. H. Burrow. |
| McMinnville | Warren | 1,011 | 26 | 70.3 | − 3.6 | 89 | 25 | 43 | 2 | 33 | 5.41 | + 0.59 | 1.29 | 0.0 | 16 | 5 | 19 | 6 | ne. | J. T. Sparkman. |
| Maryville | Blount | 1,050 | 14 | 70.8 | − 4.5 | 90 | 17† | 47 | 2 | 32 | 5.46 | + 0.68 | 1.70 | 0.0 | 18 | 3 | 22 | 5 | sw. | Mrs. F. E. Benedict. |
| Mountain City | Johnson | 2,486 | 13 | | | | | | | | | | | | | | | | | E. E. Barry. |
| Nashville | Davidson | 654 | 39 | 72.2 | − 4.1 | 90 | 24 | 51 | 3 | 29 | 6.61 | +ᵃ2.24 | 1.59 | 0.0 | 15 | 13 | 6 | 11 | ne. | U. S. Weather Bureau. |
| Newport | Cocke | 1,280 | 20 | 71.3[d] | − 2.9 | 86[d] | 24‡ | 49[d] | 3 | 21[d] | 3.90 | − 0.24 | 2.00 | 0.0 | .... | 14 | 8 | 8 | w. | Dr. C. T. Burnett. |
| Palmetto | Bedford | 770 | 17 | 72.0 | − 3.3 | 91 | 18 | 46 | 2 | 34 | 7.31 | + 3.20 | 1.71 | 0.0 | 15 | 11 | 17 | 2 | sw. | Mrs. Ross Woods. |
| Pinewood | Hickman | ..... | 3 | 71.4 | ..... | 93 | 20 | 44 | 2 | 35 | 4.80 | ..... | 1.11 | 0.0 | 11 | 10 | 8 | 12 | s. | Miss Carrie Cash. |
| Pope | Perry | ..... | 13 | 70.6 | − 4.7 | 93 | 24 | 45 | 3† | 35 | 3.50 | − 0.94 | 1.10 | 0.0 | 4 | 19 | 10 | 1 | s. | Miss Bessie Howard. |
| Rogersville | Hawkins | 1,150 | 25 | 69.4 | − 2.6 | 90 | 22 | 40 | 1 | 32 | 2.95 | − 0.83 | 0.92 | 0.0 | 16 | 8 | 14 | 8 | e. | Fred. Beal. |
| Rugby | Morgan | 1,410 | 22 | 67.1 | − 4.7 | 90 | 25 | 37 | 3 | 40 | 5.77 | + 1.29 | 1.05 | 0.0 | 14 | 1 | 14 | 15 | se. | S. G. Wilson. |
| Savannah | Hardin | 442 | 26 | 72.0 | − 4.4 | 90 | 17† | 51 | 3 | 30[a] | 4.61 | − 0.14 | 1.00 | 0.0 | 8 | 14 | 9 | 7 | ..... | J. A. Spencer. |
| Sevierville | Sevier | ..... | 4 | 69.0 | ..... | 87 | 25† | 45 | 1 | 33 | 4.54 | ..... | 1.40 | 0.0 | 17 | 0 | 9 | 21 | sw. | H. O. Eckel. |
| Sewanee | Franklin | 2,000 | 14 | 70.1[e] | − 1.7 | 87 | 13† | 47‡ | 1 | 24‡ | 6.35 | + 1.60 | 2.52 | 0.0 | 7 | 13 | 4 | 13 | s. | University of the South. |
| Sparta | White | 920 | 4 | 71.6 | ..... | 91 | 19† | 45 | 2 | 36 | 4.90 | ..... | 1.50 | 0.0 | 9 | 4 | 13 | 13 | w. | E. H. Hull. |
| Springdale | Claiborne | 1,058 | 20 | | | | | | | | | | | | | | | | | Mrs. Lucy E. Breeding. |
| Springville | Henry | 377 | 7 | 71.0 | ..... | 94 | 20 | 46 | 4 | 35 | 2.59 | ..... | 0.89 | 0.0 | 11 | 21 | 5 | 4 | n. | H. A. Boden. |
| Tullahoma | Coffee | 1,075 | 22 | 70.8 | − 2.5 | 89 | 25 | 44 | 2 | 31 | 5.73 | + 1.49 | 1.51 | 0.0 | 12 | 6 | 19 | 5 | nw. | R. T. Moore. |
| Waynesboro | Wayne | 753 | 24 | 70.6 | − 4.5 | 90 | 18 | 46 | 2 | 34 | 5.73 | + 1.37 | 1.60 | 0.0 | 13 | 7 | 18 | 5 | sw. | H. C. Boyd. |
| Wildersville | Henderson | ..... | 13 | 73.2 | ..... | 95 | 18 | 50 | 2 | 36 | 2.97 | − 1.55 | 0.83 | 0.0 | 8 | 10 | 11 | 9 | s. | W. R. Wilson. |
| Yukon | Lincoln | 850 | 13 | 71.8 | − 4.1 | 90 | 18 | 50 | 2 | 33 | 6.49 | + 2.46 | 2.36 | 0.0 | 10 | 7 | 19 | 4 | w. | W. P. Watson. |
| *Kentucky.* | | | | | | | | | | | | | | | | | | | | |
| Alpha | Clinton | ..... | 16 | 70.0 | − 3.6 | 86 | 20† | 45 | 3 | 28 | 7.06 | + 2.25 | 1.45 | 0.0 | 11 | 14 | 10 | 6 | w. | W. W. Hicks. |
| Anchorage | Jefferson | 700 | 9 | 68.2 | − 3.5 | 95[a] | 24 | 37[a] | 3 | 36[a] | 4.63 | + 0.87 | 3.02 | 0.0 | 4 | 11[a] | 13[a] | 5[a] | sw. | C. E. Barrett. |
| Bardstown | Nelson | 637 | 14 | 71.8 | − 2.8 | 95 | 22† | 41 | 3 | 34 | 5.50 | + 1.32 | 1.90 | 0.0 | 9 | 20 | 2 | 8 | sw. | G. M. Talbott. |
| Beattyville | Lee | 650 | 7 | 68.2 | ..... | 93 | 25 | 36 | 3 | 36 | 4.98 | ..... | 1.64 | 0.0 | 11 | 10 | 10 | 10 | w. | G. W. Cann. |
| Beaver Dam | Ohio | 441 | 7 | 71.0 | ..... | 94 | 20 | 39 | 3 | 33 | 2.30 | ..... | 0.98 | 0.0 | 6 | 19 | 4 | 7 | ne. | T. S. Woodward. |
| Berea | Madison | 1,070 | 9 | 69.9 | − 2.0 | 93 | 25 | 37 | 3 | 32 | 6.29 | + 0.48 | 1.74 | 0.0 | 10 | 18 | 6 | 6 | sw. | C. F. Rumold. |
| Bowling Green | Warren | 500 | 21 | 72.8 | − 3.1 | 97 | 19† | 41 | 3 | 35 | 5.82 | + 2.07 | 1.67 | 0.0 | 12 | 18 | 2 | 10 | s. | Mrs. L. G. Causey. |
| Burnside | Pulaski | 773 | 20 | | | | | | | | | | | | | | | | | G. M. Estes. |
| Cadiz | Trigg | ..... | 8 | 71.8 | ..... | 95 | 19 | 45 | 4 | 33 | 2.26 | ..... | 0.60 | 0.0 | 7 | 21[f] | 0[f] | 3[f] | ..... | F. T. Street. |
| Calhoun | McLean | 397 | 7 | 72.8 | ..... | 97 | 19 | 41 | 3 | 35 | 2.46 | ..... | 0.93 | 0.0 | 10 | 9 | 17 | 4 | e. | W. A. Taylor. |
| Catlettsburg | Boyd | 544 | 17 | | | | | | | | 6.21 | + 1.53 | 1.20 | 0.0 | 16 | 20 | 3 | 7 | n. | Chas. N. Bruns. |
| Earlington | Hopkins | 370 | 21 | 72.5 | − 3.1 | 99 | 20 | 41 | 3 | 39 | 2.32 | − 1.21 | 0.81 | 0.0 | 10 | 22 | 1 | 7 | nw. | J. B. Atkinson. |
| Edmonton | Metcalfe | 600 | 19 | 69.8 | − 3.5 | 91 | 19† | 42 | 3 | 31 | 6.44 | + 2.30 | 2.66 | 0.0 | 10 | 11 | 14 | 5 | s. | Miss Lee Ray. |
| Eubank | Pulaski | 1,177 | 16 | 68.0 | − 3.3 | 90 | 25 | 38 | 1† | 39 | 7.00 | + 2.95 | 1.91 | 0.0 | 12 | 20 | 0 | 10 | nw. | W. H. Henderson. |
| Falmouth | Pendleton | 530 | 21 | | | | | | | | 4.74 | + 0.54 | 1.32 | 0.0 | 8 | 16 | 6 | 8 | sw. | J. V. Oldham. |
| Farmers | Rowan | 668 | 5 | 68.2 | ..... | 91 | 19† | 38 | 2 | 35 | 7.24 | ..... | 1.75 | 0.0 | 15 | 6 | 16 | 8 | e. | Miss Gertrude Sorrell. |
| Frankfort | Franklin | 560 | 20 | 69.2 | − 4.4 | 92 | 19 | 41 | 4 | 33 | 6.59 | + 2.47 | 1.79 | 0.0 | 10 | 21 | 4 | 5 | w. | Gustave Schaefer. |
| Franklin | Simpson | 691 | 17 | 71.5 | − 3.6 | 95 | 19† | 42 | 3 | 29 | 4.25 | + 0.59 | 1.40 | 0.0 | 9 | 1 | 28 | 1 | nw. | J. E. Newman. |
| Greensburg | Green | 581 | 18 | 68.6 | − 5.2 | 93 | 26 | 37 | 3 | 38 | 5.87 | + 1.34 | 1.63 | 0.0 | 11 | 17 | 0 | 13 | n. | L. C. Alcorn. |
| Highbridge | Jessamine | 762 | 8 | | | | | | | | 7.47 | | 1.22 | 0.0 | 13 | 21 | 2 | 7 | ..... | Miss Lulu Wood. |
| Hopkinsville | Christian | 524 | 14 | 72.3 | − 2.3 | 98 | 19† | 44 | 3† | 34 | 4.83 | + 0.19 | 1.23 | 0.0 | 10 | 17 | 2 | 11 | e. | W. F. Randle. |
| Irvington | Breckinridge | ..... | 12 | 70.8 | − 3.1 | 91 | 19† | 42 | 3 | 28 | 4.56 | + 0.21 | 1.63 | 0.0 | 5 | 22 | 4 | 4 | ne. | W. J. Piggott. |
| Leitchfield | Grayson | 635 | 15 | 69.4 | − 3.2 | 91 | 25 | 40 | 3 | 27 | 4.78 | + 0.82 | 1.82 | 0.0 | 8 | 19 | 9 | 2 | nw. | John E. Stone. |
| Lexington | Fayette | 989 | 23 | 68.8 | − 4.4 | 90 | 24 | 40 | 3 | 27 | 5.92 | + 1.93 | 1.95 | 0.0 | 9 | 9 | 12 | 9 | ne. | U. S. Weather Bureau. |
| Loretto | Marion | 681 | 13 | 69.7 | − 3.2 | 91 | 25 | 40 | 3 | 31 | 5.53 | + 1.23 | 1.67 | 0.0 | 8 | 13 | 11 | 5 | ..... | Loretto Academy. |
| Louisville | Jefferson | 525 | 38 | 72.4 | − 2.6 | 95 | 19 | 43 | 3 | 27 | 4.08 | − 0.15 | 2.41 | 0.0 | 8 | 13 | 11 | 6 | ne. | U. S. Weather Bureau. |
| Marion | Crittenden | ..... | 16 | 69.9[e] | − 5.2 | 94 | 20 | 42 | 3 | 40 | 4.70 | + 1.19 | 1.29 | 0.0 | 6 | 10 | 12 | 8 | w. | B. C. Paris. |
| Maysville | Mason | 524 | 14 | 69.2 | − 3.6 | 96 | 19† | 40 | 3 | 36 | 7.34 | + 2.94 | 2.10 | 0.0 | 13 | 12 | 6 | 12 | nw. | Mrs. Mary D. Marsh. |
| Middlesboro | Bell | 1,128 | 17 | 70.4 | − 1.9 | 92 | 21 | 40 | 1 | 33 | 5.25 | + 0.82 | 1.02 | 0.0 | 12 | 12 | 16 | 2 | ..... | B. H. Perkins. |
| Mt. Sterling | Montgomery | 930 | 21 | 68.5 | − 3.9 | 91 | 23 | 41 | 3 | 30 | 9.31 | + 4.33 | 1.70 | 0.0 | 13 | 13 | 11 | 6 | s. | James O'Connell. |
| Owensboro | Daviess | 479 | 14 | 71.0 | − 3.5 | 93 | 24 | 45 | 3† | 31 | 5.50 | + 2.20 | 2.45 | 0.0 | 8 | 17 | 6 | 7 | s. | Henry S. Berry. |
| Owenton | Owen | 700 | 14 | 69.4 | − 3.2 | 92 | 20 | 38 | 3 | 31 | 4.71 | + 0.74 | 2.68 | 0.0 | 6 | 8 | 16 | 6 | ..... | J. T. Walker. |
| Paducah | McCracken | 341 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.92 | − 1.99 | 1.80 | 0.0 | 6 | 26 | 0 | 4 | s. | S. A. Fowler. |
| Pikeville | Pike | ..... | 1 | | | | | | | | 6.92 | ..... | 1.20 | 0.0 | 13 | 11 | 5 | 14 | n. | A. R. Williams. |
| Richmond | Madison | 926 | 21 | 69.8 | − 3.5 | 91 | 19† | 40 | 3 | 28 | 6.10 | + 2.21 | 1.40 | 0.0 | 12 | 13 | 7 | 10 | ..... | J. W. Crooke. |
| St. John | Hardin | 777 | 14 | 69.8 | − 2.0 | 95 | 18† | 39 | 3 | 34 | 5.12 | + 1.08 | 1.27 | 0.0 | 9 | 24 | 1 | 5 | ..... | Bethlehem Academy. |
| Scott | Kenton | ..... | 13 | 69.0 | − 3.0 | 95 | 19 | 40 | 3 | 30 | 2.90 | − 0.92 | 0.84 | 0.0 | 8 | 13 | 11 | 6 | n. | E. B. Wilson. |
| Shelby City | Boyle | 1,087 | 16 | 67.1 | − 4.8 | 88 | 19 | 37 | 3 | 30 | 5.99 | + 2.31 | 1.48 | 0.0 | 11 | 17 | 7 | 6 | nw. | W. E. Grubbs. |
| Shelbyville | Shelby | 759 | 21 | 69.0 | − 4.9 | 90 | 20† | 38 | 3 | 30 | 4.97 | + 0.27 | 1.98 | 0.0 | 10 | 18 | 6 | 6 | s. | Dr. H. W. Preissler. |
| Taylorsville | Spencer | 422 | 8 | 69.7 | ..... | 94 | 19 | 40 | 3 | 35 | 6.64 | ..... | 2.28 | 0.0 | 9 | 13 | 9 | 8 | e. | E. D.Bourne. |
| Williamsburg | Whitley | 939 | 13 | 69.6 | − 3.7 | 93 | 25 | 41 | 1 | 35 | 5.72 | + 1.05 | 1.40 | 0.0 | 12 | 18 | 0 | 12 | e. | Noble C. Jones. |
| Williamstown | Grant | 943 | 8 | 68.2 | ..... | 92 | 24 | 37 | 3 | 30 | 4.41 | ..... | 1.28 | 0.0 | 9 | 22 | 2 | 6 | ..... | Mrs. Sarah E. Carter. |
| *Indiana.* | | | | | | | | | | | | | | | | | | | | |
| Anderson | Madison | 892 | 15 | 68.6 | − 1.5 | 96 | 26 | 37 | 3 | 36 | 2.07 | − 1.72 | 1.62 | 0.0 | 6 | 17 | 10 | 3 | ne. | W. H. Stanton |
| Bloomington | Monroe | 744 | 15 | 69.2 | − 2.6 | 97 | 24 | 36 | 3 | 35 | 1.80 | − 1.97 | 0.66 | 0.0 | 7 | 18 | 7 | 5 | e. | Earl E. Ramsey. |
| Bluffton | Wells | 835 | 15 | 66.5 | − 1.8 | 95 | 23 | 38 | 3† | 41 | 0.96 | − 3.14 | 0.26 | 0.0 | 7 | 15 | 10 | 5 | w. | Prof. P. A. Allen. |
| Butlerville | Jennings | 767 | 25 | 68[b5] | − 3.8 | 98 | 19 | 35 | 3 | 35 | 3.07 | − 1.34 | 0.83 | 0.0 | 7 | 18 | 9 | 3 | ..... | C. F. Hole. |
| Cambridge | Wayne | 941 | 19 | 66.2 | − 3.2 | 96 | 23† | 36 | 3 | 40 | 1.48 | − 2.83 | 0.43 | 0.0 | 11 | 23 | 0 | 7 | n. | Charles Lemberger. |
| Columbus | Bartholomew | 632 | 27 | 68.6 | − 3.2 | 98 | 22 | 35 | 3 | 40 | 1.25 | − 2.30 | 0.54 | 0.0 | 5 | 20 | 2 | 8 | sw. | John A. Perry. |
| Connersville | Fayette | 769 | 28 | 69.2 | − 1.6 | 100 | 20 | 38 | 3 | 48 | 1.71 | − 2.37 | 0.97 | 0.0 | 8 | 20 | 2 | 8 | nw. | C. C. Hibbs. |
| Delphi | Carroll | 668 | 25 | 69.3 | − 1.3 | 99 | 23 | 38 | 3 | 40 | 1.76 | − 2.56 | 1.06 | 0.0 | 8 | 8 | 15 | 7 | ..... | Higginbotham & Son. |
| Eminence | Morgan | 782 | 4 | 67.4 | ..... | 94 | 19† | 37 | 1 | 37 | 2.31 | ..... | 1.55 | 0.0 | 5 | 21 | 8 | 1 | sw. | Dr. E. E. Kelso. |
| Evansville | Vanderburg | 386 | 34 | 72.9 | − 2.4 | 95 | 24 | 45 | 3 | 26 | 3.12 | − 1.05 | 1.73 | 0.0 | 6 | 6 | 22 | 2 | ne. | U. S. Weather Bureau. |
| Farmersburg | Sullivan | ..... | 12 | 69.2 | − 1.5 | 94 | 19† | 39[a] | 3 | 35[a] | 2.85 | − 1.19 | 1.82 | 0.0 | 6 | 10 | 15 | 5 | ne. | Maurice Yeager. |
| Farmland | Randolph | 1,101 | 28 | 67.2 | − 2.6 | 92 | 23† | 40 | 3 | 32 | 1.87 | − 2.22 | 0.63 | 0.0 | 9 | 17 | 4 | 9 | e. | W. J. Davisson. |
| Greenfield | Hancock | 905 | 7 | 66.8 | ..... | 92 | 23 | 39 | 3 | 32 | 2.16 | ..... | 1.20 | 0.0 | 7 | 4 | 22 | 4 | nw. | Prof. W. C. Goble. |
| Greensburg | Decatur | 954 | 14 | 69.2 | − 2.2 | 96 | 19 | 40 | 3 | 31 | 1.86 | − 1.76 | 1.06 | 0.0 | 5 | 13 | 10 | 7 | ne. | Chas. H. Ewing. |
| Heltonville | Lawrence | ..... | 0 | | | | | | | | | | | | | | | | | E. L. Palmer. |
| Huntingburg | Dubois | ..... | 2 | 70.8 | ..... | 97 | 23 | 40 | 2 | 36 | 1.99 | ..... | 0.95 | 0.0 | 4 | ..... | ..... | ..... | ..... | H. Dufendach. |
| Huntington | Huntington | 741 | 17 | 67.8 | − 1.8 | 96 | 30 | 36 | 3 | 37 | 0.89 | − 3.10 | 0.45 | 0.0 | 6 | 13 | 10 | 7 | e. | Chas. McGrew. |
| Indianapolis | Marion | 822 | 39 | 69.4 | − 3.0 | 94 | 26 | 40 | 3 | 30 | 3.25 | − 1.06 | 2.06 | 0.0 | 10 | 18 | 6 | 6 | ne. | U. S. Weather Bureau. |
| Jeffersonville | Clark | 455 | 28 | 70.7 | − 3.9 | 94 | 19 | 41 | 3 | 30 | 3.82 | + 0.10 | 1.96 | 0.0 | 8 | 13 | 15 | 2 | e. | John C. Loomis. |
| Judyville | Warren | ..... | 3 | 67.2 | ..... | 96[a] | 26 | 34 | 7 | 40[a] | 1.88 | ..... | 0.80 | 0.0 | 5 | 16 | 11 | 3 | n. | Dale R. Warrick. |

TABLE 1.—*Climatological data for June, 1910. District No. 3*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | |
| *Indiana*—Cont'd. | | | | | | | | | | | | | | | | | | | |
| Kokomo | Howard | 840 | 18 | 68.5 | − 2.1 | 99 | 30 | 35 | 3 | 40 | 1.62 | − 2.18 | 0.78 | 0.0 | 5 | 13 | 11 | 6 | nw. | John W. Doty. |
| Lafayette | Tippecanoe | 617 | 31 | 68.6 | − 2.1 | 98 | 23† | 39 | 1† | 34 | 2.62 | − 1.85 | 1.80 | T. | 9 | 21 | 1 | 8 | s. | Wm. J. Jones, jr. |
| Logansport | Cass | 620 | 30 | 69.6 | − 1.9 | 100 | 30 | 37 | 3 | 42 | 1.16 | − 2.88 | 0.35 | 0.0 | 6 | 19 | 4 | 7 | w. | Chas. Massena. |
| Madison | Jefferson | 460 | 18 | 70.8 | − 3.2 | 96 | 19 | 37 | 3 | 35 | 2.70 | − 1.29 | 1.17 | 0.0 | 8 | 13 | 12 | 5 | e. | Dr. J. Cooperider. |
| Marengo | Crawford | 363 | 28 | | | | | | | | | | | | | | | | | J. M. Johnson. |
| Marion | Grant | 814 | 24 | 68.2 | − 2.0 | 98 | 30 | 38 | 3 | 38 | 0.93 | − 3.15 | 0.28 | 0.0 | 6 | 21 | 2 | 7 | sw. | James F. Hood. |
| Markle | Huntington | 814 | 15 | 65.8 | − 2.5 | 98 | 23† | 34 | 3 | 45 | 1.10 | − 3.11 | 0.40 | 0.0 | 4 | 13 | 13 | 4 | nw. | I. S. Shideler. |
| Mauxy | Rush | 980 | 30 | 66.6 | − 3.5 | 95 | 26 | 36 | 3 | 43 | 2.32 | − 1.97 | 1.06 | 0.0 | 9 | 13 | 13 | 4 | nw. | Elwood Kirkwood. |
| Moores Hill | Dearborn | | 9 | 68.3 | | 95 | 23† | 38 | 3 | 32 | 1.43 | | 0.55 | 0.0 | 5 | 20 | 5 | 5 | nw. | W. S. Bigney. |
| Mount Vernon | Posey | 410 | 24 | 73.4 | − 1.9 | 99 | 24 | 44 | 1 | 34 | 4.87 | + 1.14 | 3.13 | 0.0 | 8 | 25 | 0 | 5 | s. | Chas. M. Spencer. |
| Paoli | Orange | 611 | 13 | 69.8 | − 2.4 | 96 | 26 | 36 | 3 | 38 | 2.23 | − 2.23 | 0.82 | 0.0 | 10 | 10 | 17 | 3 | ne. | James A. Gillum. |
| Princeton | Gibson | 481 | 28 | 70.9 | − 3.2 | 97 | 19† | 39 | 3 | 37 | 2.20 | − 1.85 | 0.65 | 0.0 | 6 | 25 | 4 | 1 | ..... | Elisha Jones. |
| Richmond | Wayne | 972 | 25 | 65.0 | − 4.4 | 95 | 23 | 36 | 2 | 39 | 1.42 | − 2.70 | 0.74 | 0.0 | 8 | 9 | 17 | 4 | ..... | Walter Vossler. |
| Rochester | Fulton | 775 | 7 | 69.4 | | 97 | 30 | 40 | 3† | 32 | 0.42 | | 0.32 | 0.0 | 2 | 21 | 5 | 4 | ..... | G. P. Keith. |
| Rockville | Parke | 722 | 24 | 66.5 | − 4.5 | 92 | 19 | 38 | 3 | 27 | 2.06 | − 2.14 | 1.25 | 0.0 | 8 | 11 | 12 | 7 | e. | Dr. W. N. Wirt. |
| Rome | Perry | 370 | 7 | 73.6[d] | | 97[d] | 24† | 40[d] | 3 | 36[d] | 4.17 | | 1.47 | 0.0 | | 20[d] | 4[d] | 2[d] | w. | Adam Anspach. |
| Salamonia | Jay | | 5 | 66.7[c] | | 93[c] | 23† | 37[c] | 7† | 41 | 2.46 | | 1.12 | 0.0 | 5 | 7[b] | 10[b] | 11[b] | ne. | Chas. V. Skinner |
| Salem | Washington | 717 | 17 | 68.4 | − 3.4 | 95 | 24 | 36 | 3 | 35 | 3.97 | + 0.03 | 1.40 | 0.0 | 9 | 14 | 13 | 3 | e. | Emmet S. Allen. |
| Scottsburg | Scott | 570 | 16 | | | | | | | | | | | | | | | | | Frank H. Park. |
| Seymour | Jackson | 610 | 23 | 69.8 | − 3.0 | 98 | 19† | 35 | 3 | 38 | 2.90 | − 1.07 | 1.04 | 0.0 | 7 | 4 | 25 | 1 | sw. | J. Robt. Blair. |
| Shelbyville | Shelby | | 6 | | | | | | | | | | | | | | | | | B. F. Crouch. |
| Terre Haute | Vigo | 498 | 20 | 71.7 | − 1.9 | 96 | 19† | 41 | 3 | 32 | 1.60 | − 2.56 | 1.08 | 0.0 | 2 | 17 | 5 | 8 | e. | Prof. R. G. Gillum. |
| Veedersburg | Fountain | 612 | 11 | 69.2 | − 1.1 | 99 | 19 | 38 | 3† | 42 | 1.80 | − 2.70 | 1.46 | 0.0 | 7 | 22 | 7 | 1 | e. | L. A. Culver, jr. |
| Vevay | Switzerland | 525 | 29 | 70.2 | − 3.4 | 95 | 19 | 38 | 3 | 30 | 2.65 | − 2.01 | 1.10 | 0.0 | 8 | 4 | 21 | 5 | sw. | Miss Frederica Boerner. |
| Vincennes | Knox | 431 | 18 | 71.8 | − 2.5 | 99 | 19 | 42 | 3 | 34 | 4.50 | − 0.22 | 2.00 | 0.0 | 5 | 18 | 7 | 5 | w. | Garrett V. List. |
| Washington | Daviess | 484 | 14 | 70.2 | − 2.4 | 95 | 19 | 41 | 3 | 30 | 1.49 | − 2.96 | 0.45 | 0.0 | 10 | 22 | 1 | 7 | ne. | Homer B. Turrell. |
| Whitestown | Boone | | 2 | 67.0 | | 94 | 26 | 35 | 3 | 36 | 2.22 | | 1.62 | 0.0 | 7 | 10 | 18 | 2 | nw. | C. A. Stevenson. |
| Winona Lake | Kosciusko | | 3 | 67.9 | | 98 | 23† | 37 | 3 | 41 | 0.77 | | 0.34 | 0.0 | 5 | 7 | 19 | 4 | w. | Rev. Albert A. Young. |
| Worthington | Greene | 526 | 28 | 69.5 | − 2.8 | 97 | 19 | 38 | 3 | 35 | 3.01 | − 1.38 | 0.77 | 0.0 | 11 | 15 | 12 | 3 | w. | D. W. Solliday. |
| *Illinois.* | | | | | | | | | | | | | | | | | | | | |
| Albion | Edwards | 531 | 19 | 72.2 | − 2.1 | 97 | 26 | 41 | 3 | 31 | 1.36 | − 2.83 | 0.40 | 0.0 | 6 | 14 | 11 | 5 | s. | B. F. Michels. |
| Charleston | Coles | 720 | 25 | 69.6 | − 3.0 | 97 | 26 | 38 | 3 | 35 | 2.43 | − 1.87 | 1.32 | 0.0 | 5 | 10 | 13 | 7 | e. | Jacob B. Daisy. |
| Equality | Gallatin | 421 | 12 | 72.7 | − 1.3 | 98 | 20 | 42 | 3 | 39 | 2.84 | − 0.76 | 1.10 | 0.0 | 9 | 14 | 14 | 2 | s. | Dr. L. W. Gordon. |
| Fairfield | Wayne | 495 | 17 | 69.8 | − 3.6 | 97 | 24 | 40 | 3 | 35 | 1.14 | − 2.67 | 0.43 | 0.0 | 5 | 20 | 0 | 10 | nw. | Geo. A. Tromly. |
| Flora | Clay | 495 | 24 | 71.5 | − 1.2 | 98 | 24 | 40 | 3 | 38 | 3.23 | − 1.31 | 0.94 | 0.0 | 6 | 17 | 9 | 4 | nw. | Jos. S. Peak. |
| Golconda | Pope | 500 | 32 | 72.4 | − 2.6 | 97 | 20 | 46 | 2 | 33 | 3.67 | − 0.39 | 1.83 | 0.0 | 9 | 12 | 12 | 6 | sw. | Dr. D. Lawrence. |
| Hoopeston | Vermilion | 715 | 8 | 69.2 | | 94 | 19† | 37 | 3 | 34 | 1.73 | | 0.83 | 0.0 | 8 | 22 | 6 | 2 | ..... | S. F. Hoskinson. |
| McLeansboro | Hamilton | 462 | 27 | 71.9 | − 2.3 | 99 | 20 | 42 | 3 | 37 | 3.13 | − 0.87 | 1.32 | 0.0 | 7 | 23 | 1 | 6 | w. | C. C. Judd. |
| Martinsville | Clark | 630 | 22 | 70.4 | − 2.2 | 100 | 19 | 38 | 3† | 38 | 2.15 | − 1.72 | 1.40 | 0.0 | 3 | 8 | 10 | 12 | n. | G. M. Daugherty. |
| Mount Carmel | Wabash | 424 | 9 | 71.0 | | 96 | 19† | 42 | 3 | 33 | 1.72 | − 2.34 | 0.44 | 0.0 | 7 | 19 | 3 | 8 | ne. | Mrs. H. M. Phillips |
| New Burnside | Johnson | 556 | 15 | 70.5 | − 4.2 | 92 | 23† | 42 | 3 | 30 | 2.95 | − 0.69 | 1.00 | 0.0 | 4 | 24 | 2 | 4 | e. | Geo. Harris. |
| Olney | Richland | 486 | 23 | 71.8 | − 2.8 | 97 | 24 | 39 | 3 | 35 | 3.07 | − 0.59 | 1.04 | 0.0 | 8 | 8 | 12 | 10 | ne. | Victor E. Phillips. |
| Palestine | Crawford | 500 | 28 | 71.8 | − 1.2 | 98 | 24 | 40 | 3 | 33 | 2.27 | − 1.73 | 1.22 | 0.0 | 6 | 12 | 11 | 7 | nw. | Duane Shaw. |
| Paris | Edgar | 600 | 17 | 69.2 | − 3.3 | 96 | 19 | 36 | 3 | 35 | 3.00 | − 0.70 | 1.10 | 0.0 | 5 | 14 | 14 | 2 | ne. | H. P. Twyman. |
| Philo | Champaign | 700 | 26 | 68.4 | − 2.3 | 96 | 26 | 35 | 3 | 37 | 2.05 | − 1.70 | 1.85 | 0.0 | 5 | 17 | 10 | 3 | ne. | H. A. Burr. |
| Rantoul | ....do | 768 | 19 | 69.5 | − 1.7 | 98 | 19 | 36 | 3 | 37 | 2.08 | − 2.12 | 1.78 | 0.0 | 6 | 21 | 5 | 4 | ne. | Wm. Breiner. |
| Robinson | Crawford | 500 | 10 | 70.6 | − 0.8 | 96 | 24 | 44 | 7 | 36 | 2.29 | − 1.67 | 1.05 | 0.0 | 4 | 14 | 7 | 9 | ..... | A. P. Woodworth. |
| Sumner§ | Lawrence | 459 | 2 | 71.2 | ..... | 95 | 24† | 41 | 3 | 31 | 3.53 | ..... | 1.72 | 0.0 | 4 | 12 | 14 | 4 | n. | O. A. Fyffe. |
| Tuscola | Douglas | 644 | 17 | 69.6 | − 2.0 | 99 | 19 | 34 | 3 | 42 | 1.96 | − 1.88 | 0.68 | 0.0 | 7 | 19 | 6 | 5 | n. | E. W. Lester. |
| Urbana§ | Champaign | 725 | 8 | 69.6 | ..... | 95 | 19 | 38 | 3 | 32 | 2.99 | ..... | 2.75 | 0.0 | 5 | 4 | 25 | 1 | e. | Prof. J. G. Mosier. |

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Estimated by observer.
‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1910. District No. 3, Ohio Valley.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *New York.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Allegany | Allegheny | .09 | .06 | .41 | | .03 | .05 | .16 | .04 | | .03 | .35 | T. | | | .18 | T. | .03 | .54 | | | | | | | | | .13 | | | | | 2.10 |
| Bolivar | do | .05 | .03 | .34 | | .05 | T. | .28 | T. | | T. | .37 | | | | .09 | T. | .21 | .30 | | | | | | | | | | | | | 1.72 |
| Franklinville | do | .08 | .02 | .15 | | .10 | .02 | | | | .55 | .27 | | | | .55 | T. | T. | .24 | | | | | | | | | T. | | | | | 1.98 |
| Olean | do | .08 | .10 | .38 | .04 | | .08 | .10 | .04 | | .02 | .20 | .10 | | | | .02 | .04 | .62 | | | | | | | | | | .26 | | | | 2.08 |
| *Pennsylvania.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aleppo | Ohio | .13 | T. | .30 | | .15 | | | | .25 | .05 | .35 | | | | | | | | .31 | | | | | .40 | | | .45 | .15 | | | | 2.54 |
| Baldwin | Allegheny | .17 | .10 | .29 | | .05 | .17 | .09 | | .09 | .12 | .05 | | | | | .04 | | .05 | | | | | | | | | | .46 | | | | 1.68 |
| Beaver Dam | Ohio | .13 | .25 | .10 | | .03 | .03 | .22 | | | .22 | .18 | .13 | | .01 | | | | .02 | .01 | | | | | | | | .02 | 1.20 | | | | 2.55 |
| Bradford | Allegheny | .21 | .03 | .60 | | .08 | .06 | .09 | | | | .29 | T. | | | .16 | T. | .08 | | | | | T. | | | | | | | | | | 1.60 |
| California | Monongahela | .30 | T. | | T. | .35 | T. | T. | | | .63 | | .30 | | T. | | T. | 2.20 | T. | | | | | | | | | .42 | | | | 4.20 |
| Clarion | Allegheny | .01 | .20 | .40 | T. | | T. | .20 | | | .12 | .10 | .02 | | | | | | | | | | | | | | | | .04 | | | | 1.09 |
| Claysville | Ohio | .12 | .22 | .22 | | .20 | | .11 | | .22 | .27 | .46 | | | | .05 | | | .16 | .06 | | | | | .07 | | | .09 | .86 | | | | 3.11 |
| Confluence | Youghiogheny | .26 | .46 | .12 | | .06 | 1.00 | .08 | | | 1.06 | .32 | | | | | | .24 | .26 | .20 | 1.06 | .06 | | | | .08 | | | .30 | | | | 5.56 |
| Davis Island Dam | Ohio | .18 | .32 | .10 | | .02 | .03 | .02 | | | .37 | .35 | .14 | | | .02 | T. | .01 | .03 | .03 | | | | | | | | | .56 | | | | 2.18 |
| Derry Station | Allegheny | .12 | .17 | .09 | | .38 | | .14 | | .23 | .28 | .17 | | | | .04 | .19 | T. | .16 | .15 | | | | | | | | | .53 | | | | 2.65 |
| Franklin | do | .16 | .18 | .72 | T. | | .02 | .18 | | | | .40 | .34 | | | | .04 | | | | | | | | | | | | .14 | | | • | 2.18 |
| Freeport | do | .12 | .26 | .19 | | .04 | .17 | .23 | | | .26 | .25 | .16 | | | | T. | .07 | .57 | .08 | | | | | | | | | 1.40 | | | | 3.80 |
| Greensboro | Monongahela | .32 | .22 | .04 | | .10 | .20 | .04 | | | .46 | .04 | .16 | | T. | | .02 | .04 | .14 | 2.34 | .96 | | | | | | | | .78 | | | | 5.86 |
| Greensburg | Youghiogheny | .16 | .21 | .12 | | .48 | .02 | .20 | | .28 | .23 | .25 | | | .02 | | .26 | .72 | .29 | .14 | | | | | T. | | | .01 | .48 | | | | 3.87 |
| Greenville | Ohio | .22 | .26 | .02 | .01 | T. | .46 | .01 | | T. | .01 | .25 | | | T. | T. | | | | .03 | | | | | | | | T. | .06 | | | | 1.33 |
| Grove City | do | .19 | .09 | .29 | | .06 | .16 | .01 | | | .01 | .55 | | | .03 | | .67 | T. | .21 | T. | | | | | | | | T. | .26 | | | | 2.53 |
| Herrs Island Dam | Allegheny | .18 | .29 | .21 | | .02 | .02 | .03 | | | .53 | .40 | .08 | | T. | T. | .31 | .05 | .02 | .09 | T. | | | | | | | | .28 | | | | 2.51 |
| Indiana | do | .18 | .15 | .15 | | .68 | | .18 | | .35 | .15 | .22 | | | | | .25 | .06 | | | | | | | | | | | .84 | | | | 3.19 |
| Irwin | Monongahela | .18 | .16 | .16 | | .12 | .01 | .26 | | .18 | .29 | .30 | | | | | .11 | .28 | .03 | .03 | | | | | | | T. | .35 | | | | | 2.34 |
| Johnstown | Allegheny | .12 | .18 | | | .36 | .17 | .04 | | .80 | .38 | | .04 | | | | .14 | .32 | .25 | | | | | | .01 | | | .37 | .58 | | | | 3.76 |
| Lock No. 4 | Monongahela | .35 | .35 | .11 | | .15 | .10 | .05 | | | .45 | .11 | .15 | | | | T. | T. | T. | 1.45 | | | | | | | | | .50 | | | | 3.57 |
| Lveippus | Allegheny | .08 | .32 | .09 | | .27 | .02 | .12 | | .26 | .43 | .18 | | | T. | | .19 | .77 | .09 | | | | | | | | | | | 2.19 | | | 5.01 |
| Parkers Landing | do | .06 | .12 | .28 | | | T. | .22 | | | .08 | .42 | .18 | | | | T. | | | | | | | | | | | | .44 | | | | 1.80 |
| Pittsburg | Ohio | .28 | .21 | | T. | .02 | .03 | | | .43 | .35 | .09 | | | T. | .06 | .03 | T. | .06 | .02 | | | | | | | | .20 | .16 | | | | 1.94 |
| Saegerstown | Allegheny | .28 | .05 | .82 | | .06 | .10 | .05 | | | | .37 | | | | | | | | | | | | | | | | | | | | | 1.73 |
| St. Marys | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Saltsburg | do | .12 | .24 | .12 | | T. | .40 | .18 | | | .46 | .08 | .10 | | | .06 | .02 | .16 | .01 | .04 | | | | | | | | | .26 | | | | 2.25 |
| Skidmore | Ohio | .15 | .10 | .20 | | T. | .80 | | | T. | | .35 | | | | .35 | .20 | | .10 | | | | | | | | | .70 | | | | 2.95 |
| Somerset | Youghiogheny | .65 | .10 | .05 | | .82 | .15 | | | .78 | .51 | T. | | .05 | | | .15 | 2.35 | 1.35 | | | | | | .45 | | | .51 | .76 | | | | 8.68 |
| Springdale | Allegheny | .07 | .26 | .18 | | | .09 | .08 | | | .34 | .26 | .16 | | | | | .05 | .02 | .37 | | | | | | | | | 1.07 | | | | 2.95 |
| Uniontown | Monongahela | .21 | .22 | .06 | | .30 | | .08 | | .50 | .08 | | | | T. | .04 | .14 | T. | .22 | 2.00 | .04 | | | | | | | .22 | .22 | | | | 4.33 |
| Warren | Allegheny | .26 | | .72 | | | .06 | .30 | | | | .64 | | | | | | | | | | | | | | | | | | | | | 1.98 |
| West Newton | Youghiogheny | .30 | .34 | .12 | | .02 | .22 | T. | | | .04 | .10 | .20 | | .02 | T. | T. | .06 | .06 | 1.28 | | | | | | | | | 1.10 | | | | 4.46 |
| *Maryland.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deer Park | Youghiogheny | .24 | .24 | .40 | | .70 | | .22 | | .34 | .31 | .37 | .25 | .04 | .06 | | .88 | | .39 | 1.06 | | .04 | .07 | | .04 | | | .03 | .27 | | | | 5.95 |
| Grantsville | do | .23 | .19 | .50 | | .38 | .16 | | | .43 | .44 | | | .65 | | | .58 | .10 | .34 | .85 | | .14 | | | .22 | | | | .22 | | | | 5.43 |
| Oakland | do | .23 | .24 | .35 | | .54 | | .31 | | .35 | .34 | .54 | .22 | .04 | .01 | .02 | 1.10 | | .52 | .90 | .02 | .03 | .14 | | .04 | | | .08 | .32 | | | | 6.34 |
| *West Virginia.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arbovale | Great Kanawha | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bancroft | do | .12 | .05 | .12 | | .92 | .56 | .05 | | | .85 | .18 | .02 | | | .16 | .24 | T. | | | .10 | | | | | | | 1.97 | .93 | | | | 6.27 |
| Beckley | do | | | | | 1.81 | .25 | | | .55 | .50 | | .31 | .40 | | 1.60 | 1.10 | | | | | | | | | | | | | | | 6.52 |
| Ben's Run | Ohio | .05 | .11 | | .05 | .28 | .10 | | | .42 | .02 | .02 | | | | .07 | .08 | | | .80 | .01 | | | | | | | .18 | .24 | | | | 2.43 |
| Bluefield | Great Kanawha | | | | | 1.54 | | | | | .15 | .30 | .32 | | | | .10 | | | | .35 | | | .09 | | | | | | | | | 2.85 |
| Brandonville | Monongahela | .35 | .56 | .19 | | .45 | .40 | .10 | | | .83 | .52 | .05 | | | | .20 | .30 | .14 | 1.90 | .11 | | | | | | | .61 | | | | | 6.71 |
| Buckhannon | do | .34 | .03 | | .40 | 1.16 | .15 | .28 | | .35 | .30 | | .14 | .15 | .45 | .45 | .30 | | | 1.10 | | | | | | | | | .45 | | | | 6.20 |
| Cairo | Little Kanawha | .20 | | | | .18 | | .21 | | | .42 | .23 | | | | .40 | .06 | | | 1.10 | | | | | | | | .31 | .15 | | | | 3.26 |
| Central Station | Middle Island Creek | | | | | | | | | | | | | T. | | .27 | .12 | | | .42 | | | | | T. | | | .69 | .36 | | | | 1.86 |
| Charleston | Great Kanawha | | T. | .28 | | | 1.02 | | | | .86 | .57 | | | .18 | .33 | .73 | | | | .47 | | | .15 | .60 | | | 2.72 | .70 | | | | 8.61 |
| Creston | Little Kanawha | .30 | T. | .20 | | .78 | .27 | .33 | | | .43 | .21 | .09 | | | | 1.00 | .03 | | .04 | .27 | | | | | | | .23 | .14 | | | | 4.32 |
| Cuba | Sand Creek | .11 | .05 | .01 | T. | .34 | | .09 | | .63 | .11 | .02 | | | | | .14 | | | .44 | .03 | | | | | | T. | 2.60 | .29 | | | | 4.86 |
| Davis | Monongahela | .30 | .10 | 1.00 | | .60 | | .45 | | .40 | .25 | .50 | .30 | .25 | | | 1.30 | .70 | 1.00 | 1.30 | .20 | 1.40 | | | | | | | .40 | | | | 10.45 |
| Doane | Big Sandy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elizabeth | Little Kanawha | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elkhorn | Big Sandy | | | .05 | .71 | .92 | | | | .04 | .20 | .03 | .64 | .43 | .01 | .39 | .29 | | .02 | .53 | | .12 | | 1.00 | .10 | | | | .05 | | | | 5.53 |
| Elkins | Monongahela | .27 | .17 | .14 | .02 | 1.00 | .16 | .05 | T. | .49 | .32 | .05 | .51 | .10 | | .29 | 1.72 | T. | T. | 1.88 | | T. | T. | | T. | | | .10 | .78 | | | | 8.05 |
| Fairmont | do | .10 | .12 | .22 | | .30 | | .14 | | .36 | .45 | .25 | | | | .35 | .40 | | .05 | .52 | | | | | .15 | | | .05 | .68 | | | | 4.14 |
| Glenville | Little Kanawha | .26 | T. | .27 | | .70 | .55 | .33 | | | .48 | .10 | .13 | | T. | | .31 | T. | T. | .53 | | | | | | | | .20 | .15 | .21 | | | 4.22 |
| Grafton | Monongahela | .09 | .08 | .43 | | .59 | | .10 | | .30 | .19 | .27 | T. | .02 | | .03 | .18 | | .05 | .85 | | | | | .47 | | | .06 | .46 | | | | 4.17 |
| Green Sulphur Springs | Great Kanawha | T. | | .09 | | 1.53 | .12 | | | | .52 | .05 | .53 | .14 | T. | .73 | 1.00 | | | .01 | .13 | | | .62 | | | | .31 | .06 | | | | 5.84 |
| Hinton | do | .06 | | .06 | | .86 | .44 | | | | .38 | .56 | .58 | .06 | .14 | .36 | .64 | .50 | | .01 | .18 | | | | .01 | | | .08 | .06 | .02 | | | 5.00 |
| Huntington | Ohio | .02 | | .12 | | .84 | .50 | .06 | | | 1.00 | .88 | | | | | .08 | .20 | | | .12 | | | | .90 | | | .52 | .66 | .04 | | | 5.94 |
| Lewisburg | Great Kanawha | T. | | | | 1.22 | .07 | | | .32 | .41 | .17 | .46 | .46 | T. | T. | 1.95 | | | .23 | | .04 | | .52 | | | | .15 | .05 | | | | 6.05 |
| Logan | Guyandotte | T. | | | | 1.47 | .48 | | | .70 | .20 | .67 | .13 | .25 | | T. | .55 | T. | T. | | 1.30 | | | | | | .32 | | .95 | .07 | | | | 7.09 |
| Lost Creek | Monongahela | .06 | .05 | .32 | | .98 | | .15 | | .23 | .20 | .05 | | T. | T. | .21 | .41 | | | .06 | | | | | T | | | .14 | .65 | | | | 3.51 |
| Madison | Great Kanawha | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mannington | do | .14 | .12 | .12 | | .52 | T. | .29 | | .42 | .15 | .33 | | | | .01 | .08 | | .06 | .19 | | | | | | | | .05 | .62 | .01 | | | 3.11 |
| Marlington | do | | .38 | | | .96 | | | | .80 | .50 | .26 | .50 | .56 | .80 | .58 | 1.00 | | | .58 | | .11 | | | | | | .35 | | | | 7.38 |
| Morgantown | Monongahela | .13 | .16 | .14 | | .39 | .04 | .12 | | | .38 | .47 | .23 | T. | T. | | .05 | .13 | | .04 | 1.39 | | | | | .02 | | .38 | .82 | | | | 4.89 |
| Moundsville | Ohio | .07 | .19 | .14 | | .11 | | .03 | | | .13 | .20 | .22 | | | | | T. | | | .43 | | | | | T. | | T. | | | | | 1.52 |
| New Cumberland | do | .30 | .20 | | | T. | .20 | T. | | | .30 | | .20 | | T. | T. | | | | T. | | | | | | | | | .15 | .40 | | | 1.75 |
| New Martinsville | do | .11 | .08 | .14 | | .11 | | .08 | | | .40 | .20 | | | | .01 | | .13 | | | | | | | | | | .14 | .15 | | | | 1.55 |
| Nuttallburg | Great Kanawha | .13 | T. | T. | .17 | .85 | .37 | | | | .45 | .36 | .07 | | .56 | | .11 | 1.05 | | T. | | .32 | | | | | | 1.32 | .10 | | | | 5.86 |
| Parkersburg | Ohio | .02 | .02 | | T. | .13 | .10 | | | | .48 | .10 | T. | | | T. | T. | | .05 | .43 | | | | | T. | | | .32 | .10 | | | | 1.75 |
| Parsons | Monongahela | .30 | .40 | .10 | .15 | .20 | .30 | | | .05 | .20 | .50 | .50 | 1.00 | | .25 | .30 | .50 | .15 | 4.75 | | .45 | .70 | | .10 | | | | .37 | | | | 11.27 |
| Philippi | do | .15 | .04 | .45 | .02 | .57 | .02 | .25 | | .35 | .30 | .15 | | .09 | .02 | T. | .27 | | .05 | .89 | .02 | .05 | | | .47 | .02 | | | .25 | .02 | | | 4.45 |
| Pickens | do | .78 | .03 | .68 | | 1.59 | | .17 | | .28 | .42 | .28 | .47 | .27 | | 1.35 | .65 | | .14 | .88 | | 1.65 | .11 | | .20 | | .05 | .12 | .48 | | | | 10.60 |
| Pineville | Guyandotte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Point Pleasant | Ohio | .14 | | .08 | | .62 | .42 | .18 | | | .66 | .52 | .04 | | | | .18 | T. | | .36 | .04 | | | | | | | .46 | .24 | | | | 4.08 |
| Powellton | Great Kanawha | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Princeton | do | | | | 1.45 | .90 | | | | .60 | .30 | .90 | | .60 | | .80 | 1.20 | | | .60 | | .10 | | .20 | 1.40 | | | | | | | | 9.05 |
| Robertsburg | do | .10 | | .10 | | .98 | .64 | .08 | | | .82 | .37 | T. | | | | .08 | | | | .08 | | | | | | | 3.45 | .56 | .06 | | | 7.32 |
| Rowlesburg | Monongahela | .48 | .26 | .56 | | .08 | .56 | .26 | | | .30 | .26 | .34 | T. | .04 | | .36 | .76 | .32 | 2.70 | | | | | | | .20 | | .40 | .30 | | | 8.18 |
| Ryan | Great Kanawha | .14 | .17 | | .05 | 1.56 | | | | .89 | .11 | .28 | T. | .02 | | .11 | .66 | | | .23 | | | | | | | | 2.87 | .03 | | | | 7.12 |
| St. Marys | Ohio | .30 | .12 | .04 | | .09 | .12 | .25 | | | .32 | .06 | | | | | .44 | .34 | | .92 | | | | | | | | | .12 | .10 | | | 3.22 |
| Smithfield | Fishing Creek | | .16 | .20 | | .34 | .21 | .09 | | | .48 | | | | | | .43 | .33 | | | | | | | | | .06 | | .32 | | | | 2.62 |
| Spencer | Little Kanawha | .34 | T. | .24 | | .73 | .41 | T. | | | .57 | T. | .34 | | T. | | .70 | T. | | .07 | T. | | | | | | | 2.52 | .65 | T. | | | 6.57 |
| Sutton | Great Kanawha | T. | .35 | | .30 | 1.00 | 1.02 | | | .46 | .10 | | T. | | 1.31 | .18 | | | 1.50 | .10 | | | | | | | | .51 | .10 | | | | 6.93 |
| Terra Alta | Monongahela | .52 | .08 | .51 | | | .35 | .45 | | .52 | .18 | .33 | .34 | .12 | .38 | .64 | .42 | | .43 | .85 | | .80 | | | .85 | | | .44 | | | | | 8.21 |
| Union | Great Kanawha | | | .04 | | .64 | .40 | | | | .53 | .42 | .70 | .40 | .27 | T. | .72 | .50 | T. | T. | | | | | | | T. | | | | | | 4.62 |
| Valley Fork | do | | | | | * | 1.90 | | | | 1.00 | | | .23 | | | 1.20 | | | .57 | | | | | | | | 2.07 | | | | | 6.97 |
| Webster Springs | do | .27 | | .43 | T. | 1.45 | | .22 | | .75 | .45 | .12 | .50 | .27 | | .50 | 1.50 | .05 | | .63 | | .07 | .22 | | .05 | | | | .60 | .50 | | | | 8.58 |
| Wellsburg | Ohio | .23 | .12 | .15 | | .08 | .08 | | | .42 | .09 | .38 | | | T. | | | | .05 | | | | | | | | | .13 | .85 | | | | 2.58 |
| Weston | Monongahela | .20 | .16 | .36 | | .20 | .70 | .24 | | | .18 | .36 | .04 | | .10 | | .54 | .15 | | .36 | | .04 | | T. | | | | .10 | .30 | .18 | | | 4.21 |
| Wheeling | Ohio | .38 | .28 | .20 | T. | .06 | .10 | .12 | | | .32 | .30 | .04 | | T. | | | .01 | T. | .04 | | | | | | | | .20 | .22 | T. | | | 2.27 |
| Williamson | Big Sandy | T. | | T. | | 1.04 | .82 | | | | .68 | .88 | .10 | | .34 | | .26 | .24 | | .16 | .58 | | .34 | | | T. | | .06 | | .06 | | | 5.56 |
| *Ohio.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amesville | Ohio | .03 | T. | .07 | T. | .12 | .03 | | | .70 | .40 | .25 | T. | | | | | | | .41 | .02 | | | .01 | | | .63 | .12 | .24 | | | | 3.03 |
| Bangorville | Muskingum | .18 | .37 | .12 | .02 | | .09 | | | .10 | .28 | 1.15 | | | .03 | | | .10 | | T. | .67 | | | | .06 | | | .15 | .18 | | | | 3.50 |
| Bellefontaine | Great Miami | .04 | | .36 | | | * | .10 | | * | .21 | .59 | .10 | | | | | | | * | .16 | .09 | | | | | | .09 | .03 | | | | 1.77 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 3*—Continued.

| Stations. | River basins. | Day of month | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Ohio*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bladensburg | Muskingum | .05 | .34 | | T. | T. | .35 | | | .30 | .13 | .30 | | | .10 | | | | | T. | | | | | | | .15 | | | | | 1.75 |
| Cadiz | Ohio | .26 | .05 | .29 | | .03 | .13 | | | .37 | .61 | .05 | | | .09 | | T. | .03 | T. | | | | | | | | T. | .22 | .30 | | | | 2.44 |
| Cambridge | Muskingum | | .32 | .20 | | T. | T. | | .30 | .10 | 1.20 | | | | .18 | | | | | | | | | | | | | .37 | | | | | 2.67 |
| Camp Dennison | Ohio | .04 | T. | | .25 | | | | | .55 | .57 | .03 | | | | | | | | | | | | | | | | 2.33 | 1.02 | | | | 4.87 |
| Canal Dover | Muskingum | .22 | .09 | .20 | T. | T. | .05 | .15 | | .26 | .04 | .55 | | | .15 | | | T. | | | | | | | | | | .30 | .35 | | | | 2.36 |
| Canton | do | .21 | .31 | .25 | * | T. | .02 | .61 | | * | .12 | .76 | .03 | | * | .01 | T. | .01 | .10 | | | | | | | | * | .15 | .57 | | | | 3.15 |
| Cardington | Scioto | .07 | .30 | .04 | .03 | T. | | | | .13 | .43 | .55 | | | | | T. | .15 | T. | | .05 | | | | | | | .45 | | | | | 2.20 |
| Cincinnati | Ohio | | .01 | | .08 | | | | | .53 | .55 | | | | | | | | | | | | | | .08 | | | .62 | .14 | | | | 3.01 |
| Circleville | Scioto | .12 | T. | | * | .06 | T. | .06 | | * | .44 | 1.60 | T. | | | T. | T. | | * | .39 | T. | | | | | | | * | .30 | T. | | | 2.97 |
| Clarington | Ohio | .05 | .17 | .20 | .02 | .13 | .03 | .07 | .01 | .18 | .30 | .22 | .02 | | T. | T. | | T. | | .03 | | .25 | | | .15 | | | .08 | .17 | .05 | | | 2.13 |
| Columbus | Scioto | T. | .05 | T. | .01 | | T. | | | .47 | 1.45 | .16 | | | | | .29 | | | .01 | | .02 | | | .02 | | | .45 | | | | | 2.93 |
| Coshocton‖ | Muskingum | .30 | .20 | .39 | .40 | .30 | .50 | | .40 | | .20 | 1.40 | .02 | | | | .16 | .01 | | .20 | | | | | | | | | .48 | | | | 4.87 |
| Dayton | Great Miami | .22 | * | .08 | | .13 | T. | .07 | | * | .23 | .39 | T. | | T. | | | | | .07 | .50 | | | | | | | | .42 | | | | 2.11 |
| Delaware | Scioto | .05 | .28 | .03 | T. | .02 | .07 | | | .28 | .42 | .72 | | | | | | | | T. | T. | | | | .34 | | | .16 | | | | | 2.37 |
| Demos | Ohio | .17 | .15 | .16 | .01 | .19 | .03 | | | .43 | .21 | .02 | | | | .03 | T. | | | | | | | | T. | | | .15 | .03 | | | | 1.60 |
| Dennison | Muskingum | .22 | .12 | .22 | | | .14 | .06 | | .39 | .04 | .93 | | | .41 | | .22 | .02 | | | | | | | | | | .08 | .57 | | | | 3.42 |
| Frankfort | Scioto | | | | .05 | | .18 | | | .77 | .90 | .87 | | | | | | .40 | | .15 | | | | | | .90 | 1.60 | .30 | | | | 5.52 |
| Garrettsville | Mahoning | .25 | .18 | .21 | | | .02 | | | T. | .05 | .73 | | | T. | | | | .10 | | | | | | | | T. | .08 | | | | 1.62 |
| Granville | Muskingum | .11 | .05 | .20 | | .01 | | T. | | | .45 | 1.33 | .01 | | .02 | T. | | .04 | | | | | | | T. | | | .20 | | | | 2.43 |
| Gratiot | do | .08 | .10 | | T. | .10 | T. | | | .45 | .40 | .64 | | | .02 | | .12 | | | | | | | | | .69 | .09 | | | | | 2.69 |
| Green | Ohio | | .10 | | | | | | | 2.00 | 1.23 | .03 | | | | T. | | .18 | | | | | | .17 | | 1.00 | .21 | .48 | | | | 5.37 |
| Green Hill | Muskingum | .30 | .15 | .07 | T. | T. | .30 | | | .14 | .11 | .36 | | | .06 | | | | .08 | .14 | | | | | | | .60 | .10 | | | | 2.41 |
| Greenville | Great Miami | .22 | | .18 | | | | | | .05 | .10 | .33 | | | | | .22 | | | .07 | | | | | | | .42 | .65 | | | | 2.24 |
| Hillsboro | Scioto | | .02 | | T. | | .03 | | | 1.08 | .97 | .48 | | | | | | | | .19 | | | | | .19 | | .61 | 2.30 | .62 | | | | 6.49 |
| Ironton | Ohio | .02 | .04 | .01 | .09 | 1.71 | | | | 1.24 | .69 | .06 | | | | | .20 | | | .34 | | | | | .33 | | .36 | 1.00 | .34 | | | | 6.43 |
| Jacksonburg | Great Miami | | | .29 | | .08 | | .10 | | | .55 | | | | | | | | .03 | T. | | | | | | | | .75 | | | | | 1.71 |
| Kenton | Scioto | .03 | .33 | | .10 | | | | | | .52 | .22 | | | | | | .10 | | | | .01 | | | .12 | | | .28 | .13 | | | | 1.84 |
| Killbuck | Muskingum | .45 | .25 | .30 | | | .03 | | | .12 | .22 | .95 | | | T. | | | | | .41 | | | | | | | | .41 | | | | | 3.14 |
| Lancaster | Ohio | T. | .03 | T. | .08 | T. | .05 | | | .45 | 1.00 | .43 | | | T. | | .20 | .63 | | 1.12 | | | | | | | | .20 | .46 | | | | 4.63 |
| Lawshe | do | .04 | | | | .05 | | .05 | | 1.97 | 1.78 | .30 | | | .04 | | | .06 | | | | .28 | | | .09 | | .03 | .88 | 1.38 | | | | 6.96 |
| McConnelsville | Muskingum | .03 | .01 | | .01 | .18 | .03 | | | .55 | .80 | .15 | | | .09 | | T. | | | .46 | | | | | | | | .55 | | | | | 2.86 |
| Marietta | Ohio | .10 | .02 | .10 | .04 | .09 | .05 | .10 | | .40 | .17 | .02 | | | | | | | | .27 | | | | | .05 | | | .37 | .14 | | | | 1.92 |
| Marion | Scioto | .03 | .40 | .04 | T. | | T. | | | .08 | .52 | .56 | | | | | | | | T. | .35 | | | | | | | .25 | .06 | | | | 2.31 |
| Milfordton | Muskingum | .07 | .27 | | T. | T. | .42 | | | .27 | .19 | .53 | | | | | | | | | | | | | | | | .37 | | | | | 2.12 |
| Milligan | do | .05 | .02 | .05 | .02 | .02 | | | | .62 | .82 | .24 | | | .08 | | | | | .60 | | | | | | | T. | .17 | | | | | 2.69 |
| Millport | Ohio | .28 | T. | .20 | | T. | .14 | .05 | | .16 | T. | .35 | | | .08 | .10 | .60 | | .03 | | | | | | | | | .45 | .80 | | | | 3.24 |
| Nellie | Muskingum | .20 | .30 | .19 | .05 | | .17 | | | .32 | .20 | .15 | | | T. | | .04 | | | | | | | | | | | .45 | .10 | | | | 2.17 |
| New Alexandria | Ohio | T. | T. | | | T. | .40 | | | .20 | | T. | | T. | .70 | | T. | | T. | | | | | | | .90 | | | | | | 2.20 |
| New Berlin | Muskingum | .30 | .03 | .25 | .03 | | .25 | | | .04 | .10 | .90 | | | T. | .10 | | .10 | | | | | | | | | .30 | .57 | .17 | | | | 3.14 |
| New Waterford | Ohio | * | .32 | | | * | | .40 | | T. | | T. | | | | | | T. | T. | | | | | | | | | | 1.40 | | | | 2.12 |
| Ohio State University | Scioto | | | .03 | T. | | .35 | | | .55 | .66 | .78 | | | | | | .60 | | | | T. | | | T. | | | .28 | .02 | | | | 2.92 |
| Pataskala | Muskingum | .03 | .10 | | .01 | | T. | | | .59 | .50 | .66 | | | .05 | T. | | | | .14 | | | | | T. | | | .29 | .01 | | | | 2.38 |
| Philo(1) | do | .14 | .11 | .18 | .03 | .05 | T. | | | .40 | .43 | .88 | | | .19 | | | | | | | .10 | | | | | T. | .13 | .13 | | | | 2.77 |
| Piattsburg | Great Miami | .05 | .10 | | .08 | | .04 | | | .40 | .31 | .20 | | .13 | | | | | | .79 | | T. | | | | | | 1.46 | | | | | 3.56 |
| Pomeroy | Ohio | .04 | .04 | .01 | | .12 | .02 | .07 | | .69 | .22 | .13 | | | | | | | | .35 | .02 | | | | | | | 1.24 | .20 | | | | 3.15 |
| Portsmouth‖ | do | .05 | * | .03 | * | .72 | * | .03 | | * | 1.66 | 1.05 | | | T. | | T. | * | .17 | * | .07 | | * | .02 | | | * | .17 | 1.19 | .02 | | | 5.18 |
| Rittman | Muskingum | .34 | .25 | T. | | | .18 | | | T. | .13 | .60 | | | | | | | .14 | | | | | | | | | .52 | | | | | 2.16 |
| Shenandoah | do | .25 | .51 | .03 | T. | | .35 | | | T. | .47 | .66 | | | T. | | | | .17 | | | | | | | | | .75 | | | | | 3.19 |
| Sidney | Great Miami | .04 | .25 | | .01 | | .21 | | | .15 | .19 | .17 | T. | | .03 | .21 | | | | .23 | .27 | .02 | | | | | | .27 | .02 | | | | 2.07 |
| Somerset‖ | Muskingum | .12 | .02 | .12 | T. | .03 | T. | .01 | | * | .66 | 1.29 | .01 | | T. | T. | T. | .22 | * | .33 | .26 | | | | | | * | 1.34 | .28 | | | | 4.69 |
| Springfield | Great Miami | .01 | .11 | | .04 | T. | .04 | | | .29 | .41 | .12 | | | | | | | | .10 | | T. | | | | | | .66 | T. | | | | 1.78 |
| Summerfield | Ohio | .28 | .04 | .16 | .03 | .28 | .03 | | | .36 | .39 | .11 | | | .18 | | T. | | | .14 | | T. | | | | | | .09 | .14 | | | | 2.23 |
| Thurman | do | T. | T. | | T. | .55 | | | | .73 | .70 | .15 | | | | | .42 | .22 | | T. | | | T. | | | | T. | .71 | | | | | 3.48 |
| Urbana | Great Miami | | .22 | | | | | | | .24 | .41 | .11 | | | | | T. | | T. | .22 | T. | | | | | | | .44 | | | | | 1.64 |
| Warren | Mahoning | .21 | .23 | .06 | | T. | .09 | | | T. | T. | .42 | | | T. | | | | .23 | | | | | | | | | T. | .06 | | | | 1.30 |
| Waverly | Scioto | .26 | * | .04 | | .06 | T. | .13 | | * | 1.00 | 1.83 | | * | T. | * | .01 | | | * | .51 | | | | | | | .06 | 1.20 | .02 | | | 5.12 |
| Waynesville | Great Miami | | .07 | | | | .11 | | | .40 | .45 | .03 | | | | | | | | | | | | | | | | .55 | .05 | | | | 1.66 |
| Wooster | Muskingum | .15 | .07 | .30 | T. | | .38 | | | .05 | .09 | 1.07 | .01 | | T. | | | | | | | | | | | | | .08 | .37 | | | | 2.57 |
| Youngstown‖ | Mahoning | .12 | .20 | .15 | | .06 | .20 | .02 | | | .02 | .26 | .07 | T. | T. | | | | | .06 | | | | | | | | * | .55 | | | | 1.71 |
| Zanesville‖ | Muskingum | .12 | .10 | .08 | | T. | T. | | | * | .45 | 1.44 | .02 | | T. | T. | T. | T. | | | | | | | | T. | * | .08 | .31 | | | | 2.60 |
| *Virginia.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Big Stone Gap | Tennessee | | T. | | | 1.40 | | | | .25 | .12 | .30 | .45 | .05 | .10 | .85 | .15 | | | | | .10 | .36 | .05 | | | | .25 | | | | | 4.43 |
| Blacksburg | Kanawha | | | | | 1.17 | | | | .77 | .85 | .40 | 2.05 | 2.00 | .15 | .60 | .38 | | | .10 | .33 | | | | 1.31 | | .33 | T. | | | | | 10.44 |
| Burkes Garden | Tennessee | | | | T. | 1.56 | .17 | | | .31 | .33 | .10 | .63 | .28 | T. | .28 | .51 | | | | | .30 | T. | | .65 | | | T. | | | | | 5.12 |
| Elk Knob | do | | | .08 | .04 | | .73 | T. | | .08 | .12 | .05 | .33 | .02 | .10 | .01 | .01 | .19 | | | .07 | .37 | .12 | .04 | .20 | | | .65 | .02 | | | | 3.23 |
| Galax | Kanawha | | | .37 | T. | | .60 | | | .30 | | .93 | 1.13 | 1.12 | 2.27 | T. | .50 | .60 | | | | .40 | .10 | .34 | .24 | | | | | | | | 9.24 |
| Ivanhoe‖ | do | | | | .04 | | .70 | .43 | T. | | .30 | 1.24 | 1.08 | .44 | .80 | .42 | .10 | .15 | T. | | .32 | | T. | | | .45 | T. | | .09 | T. | | | 5.65 |
| Lebanon | do | | | | .03 | | | | | | .55 | .10 | | .16 | .30 | .50 | .59 | .25 | | | .19 | .22 | .01 | .04 | .22 | | | .05 | | | | | | 3.21 |
| Marion | Tennessee | | | | | 1.09 | | | | .07 | .46 | * | * | 1.03 | | .05 | .22 | | | | .66 | .41 | | | | .45 | | | .05 | | | | 4.49 |
| Max Meadows | Kanawha | | | | T. | | .95 | .10 | | .86 | .98 | .86 | .60 | 1.51 | .08 | .31 | .28 | | | | .35 | | | | | .08 | | | | | | | 6.56 |
| Mendota‖ | Tennessee | | | | * | .12 | 1.14 | .48 | | * | .30 | .30 | .26 | | .18 | .22 | .24 | .36 | | | | .50 | .06 | | | .15 | | | .12 | | | | 4.43 |
| Radford‖ | Kanawha | | | | | | .90 | .32 | | | .62 | 1.40 | 1.12 | 1.00 | .62 | .34 | .22 | | | | .26 | | | | | .48 | | .10 | | | | | 7.38 |
| Speers Ferry‖ | Tennessee | | | | | | .72 | .48 | | | | .38 | | .74 | 1.06 | 2.08 | .68 | .26 | | | | | | | .38 | .68 | | | .16 | | | | 7.62 |
| Wytheville | Kanawha | | | .03 | | .26 | .55 | .10 | | .31 | .78 | .40 | 1.12 | .53 | .18 | .13 | .16 | | | .18 | .03 | | | | .18 | | | .02 | .01 | | | | 5.06 |
| *North Carolina.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Andrews | Tennessee | | | .36 | .37 | | 1.86 | .06 | | | .03 | .42 | .40 | .55 | .11 | | .13 | .07 | | | .93 | .26 | .63 | | | .81 | .16 | | .31 | .70 | .26 | | | 8.42 |
| Asheville | do | | T. | .30 | .03 | | .63 | | | | T. | .01 | .38 | 1.14 | 1.46 | .30 | .16 | .01 | | T. | T. | T. | .19 | .02 | .03 | | T. | | .12 | .66 | T. | | | 5.44 |
| Banners Elk | do | .05 | T. | | .12 | | .75 | .05 | | | .05 | .45 | .50 | .38 | .65 | .50 | .07 | .08 | .45 | | T. | | .63 | .68 | .15 | | | | .60 | .64 | | | | 6.81 |
| Brevard | do | | | | .19 | | .03 | 1.03 | | | T. | .90 | .10 | .50 | .55 | .21 | .20 | | | .35 | .10 | .05 | .30 | .10 | .15 | | | | | .16 | .30 | | | 5.22 |
| Bryson City‖ | do | .10 | | | .68 | | .89 | .97 | | | | .10 | .40 | .16 | .33 | | .11 | .13 | | | .50 | .20 | | | | | | | | .62 | .55 | | | 5.74 |
| Cullowhee | do | | .30 | .15 | | 1.80 | .02 | | | | T. | .12 | T. | .28 | 1.05 | .80 | .20 | | | .03 | .71 | .02 | T. | .01 | .09 | | | .02 | .44 | .18 | | | 6.22 |
| Hendersonville | do | | | .25 | | .64 | | | | | T. | .70 | T. | .77 | 1.35 | .05 | .30 | T. | .04 | .48 | T. | T. | | | | | | | .75 | .05 | | | 5.38 |
| Highlands | do | .01 | | .70 | | | 1.90 | | | | .01 | .34 | .12 | .98 | 1.00 | .22 | .01 | | | 1.33 | .22 | | .36 | 1.01 | .95 | | | | .15 | 1.15 | | | 10.46 |
| Hot Springs | do | | .02 | .18 | | .84 | .08 | | | | .09 | .15 | .01 | .51 | .41 | .22 | .03 | | | | | 1.35 | | | .08 | | | .18 | .35 | .01 | | | 4.51 |
| Jefferson | Great Kanawha | | | T. | | 1.07 | | | | * | 1.59 | | 2.20 | .70 | .90 | .45 | .30 | T. | | | | | .55 | | 2.70 | | | T. | .29 | | | | 10.75 |
| Marshall | Tennessee | .13 | | .08 | | .91 | | | | | | .16 | .63 | .19 | .17 | .10 | | .06 | | | | | | | .14 | | | | .45 | .02 | | | 3.04 |
| Murphy‖ | do | | | .93 | | 1.30 | .75 | | | | .82 | .60 | .18 | .65 | | .99 | .10 | | | | .25 | | T. | T. | | | | | 1.70 | .50 | | | 8.82 |
| Rock House | Savannah | T. | .71 | | | 1.75 | | | T. | .02 | .14 | .22 | .50 | .93 | .43 | .13 | | | | .34 | T. | T. | .13 | .04 | .17 | .03 | | | | .21 | .87 | | | 5.69 |
| Waynesville‖ | Tennessee | | .08 | .37 | | .90 | .70 | | | | .20 | | .30 | 1.25 | | .40 | | .01 | | | .01 | | | | | .04 | | | | 1.04 | .39 | | | 5.69 |
| *Georgia.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diamond | Tennessee | T. | 1.10 | | * | 2.43 | .38 | | T. | .04 | .94 | 1.11 | 1.00 | .15 | T. | .19 | | | | | .02 | T. | .02 | | 1.30 | | | T. | .72 | .11 | | | 8.51 |
| LaFayette | do | | .07 | | | 2.28 | .03 | | | | .79 | .62 | .19 | .27 | .32 | | | | | | .06 | | .17 | | .49 | | | 2.27 | 1.17 | 1.02 | | | 9.75 |
| *Alabama.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bridgeport‖ | Tennessee | | | .05 | | 1.46 | .75 | | | .09 | 1.80 | .07 | .06 | 1.20 | .42 | | .10 | | | | | .30 | .30 | | | .02 | | | 1.95 | .20 | | | 8.77 |
| Decatur‖ | do | | | .08 | | .12 | .65 | | T. | .06 | 1.84 | .30 | .02 | T. | | | | | | .55 | .10 | .56 | | | 1.02 | .10 | | 1.56 | .26 | | | 7.23 |
| Florence | do | | | .20 | | .16 | .06 | | | .56 | 2.10 | .22 | | | .06 | | | | | | .24 | .08 | | | | | .46 | | .90 | | | 5.04 |
| Guntersville‖ | do | | T. | .02 | | .72 | 1.02 | | T. | | 1.64 | .02 | .24 | 1.22 | T. | | T. | T. | | | T. | .20 | .10 | .02 | | | .02 | .10 | .62 | T. | .15 | | 7.32 |
| Madison | do | | T. | .17 | .20 | .23 | | | | .67 | 1.60 | .25 | 150 | T. | | | | | | | .47 | | .12 | | .62 | | | | .62 | T. | .15 | | 6.70 |
| Riverton‖ | do | | | .30 | | .54 | T. | | | .75 | 2.94 | .12 | | | .44 | | | | | | .02 | T. | | | | .19 | .08 | | .46 | 1.52 | .04 | | 7.40 |
| Scottsboro | do | .02 | .02 | .03 | | 1.63 | | | | .55 | | .56 | 2.21 | .01 | | | | | | T. | 2.18 | .05 | | | .18 | | | | .72 | .31 | .90 | | 9.37 |
| Tuscumbia‖ | do | | | .54 | .02 | .27 | T. | | | .50 | 2.20 | .33 | | | .69 | | | | | | .23 | 1.06 | | | | | .44 | | .20 | 1.05 | | | 7.44 |
| *Tennessee.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ashwood | Tennessee | | T. | | .15 | .17 | | | | .63 | 1.47 | | | .75 | | | | | | | .32 | | T. | 1.05 | .20 | | .20 | 1.05 | .05 | .50 | | | 6.54 |
| Benton | do | T. | .50 | .45 | | 1.97 | | | | .17 | .80 | .16 | .04 | .43 | | .20 | | | | | .22 | .10 | .08 | T. | | 1.23 | | | .82 | .20 | .20 | | | 7.57 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 3*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Tennessee*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Birds Bridge[‖] | Tennessee | | | .10 | | .74 | .45 | | | | | .03 | .32 | .17 | .07 | | | | | | .15 | | .05 | | | .04 | | | | .65 | .03 | | 2.80 |
| Bluff City[‖] | ....do | | | .20 | | .74 | .40 | | | | .26 | .54 | | .24 | .10 | .74 | .34 | .08 | | | .24 | | | | | | | | | | | 3.94 |
| Byrdstown | Cumberland | | .20 | | .20 | .70 | | | | .40 | .80 | .50 | | | | .10 | | | | | .90 | | .80 | .80 | .70 | | | | 2.00 | | | | 8.10 |
| Carthage[‖] | ....do | | | .10 | | .73 | .81 | | | .23 | .82 | .19 | .05 | .65 | .16 | T. | .35 | | | | | .13 | .02 | .03 | .01 | .41 | T. | | 1.01 | 1.30 | .05 | | 7.05 |
| Cedar Hill | ....do | .05 | .30 | | .40 | .30 | | | | .35 | 1.15 | .30 | | | | | | | | | T. | | | .10 | | .90 | | T. | .70 | | .20 | | 4.75 |
| Celina[‖] | Cumberland | | | .32 | | .71 | .38 | | | .18 | 1.20 | .60 | .08 | | | | | | | | | .45 | | .06 | .30 | .45 | | | .54 | 2.10 | | | 7.37 |
| Center Point | Tennessee | | | | | .44 | .31 | | | | 1.03 | .84 | .35 | | | | | | | | | T. | .50 | | | | | | .65 | .50 | .40 | | 5.02 |
| Charleston[‖] | ....do | T. | | 1.40 | | .95 | .97 | | | .20 | .70 | | 1.10 | .10 | .10 | .30 | .05 | | | | T. | .10 | .03 | .10 | .07 | | .15 | | | 1.30 | .25 | | 7.87 |
| Chattanooga | ....do | | .48 | | .69 | 1.60 | | | | .38 | .44 | .02 | .03 | .55 | .01 | .10 | | | | | .24 | .13 | | .36 | .14 | .05 | | | .94 | .10 | .39 | | 6.65 |
| Clarksville | Cumberland | .06 | .30 | | .31 | .07 | | | | .46 | .55 | .15 | | | | | .19 | | | | | | | | | 1.17 | | | .37 | | .04 | | 3.67 |
| Clinton[‖] | Tennessee | | | .15 | | .15 | .25 | | | T. | .25 | .55 | | .10 | .35 | .65 | .65 | .30 | | | 1.10 | .10 | .05 | .06 | | T. | .03 | | | | .55 | .10 | | 5.39 |
| Dandridge[‖] | ....do | | | .30 | | .30 | .90 | | | | | .02 | .16 | .26 | .14 | | .14 | .20 | | | | .12 | .42 | .30 | | | | | 20 | | | | 3.46 |
| Decatur | ....do | .02 | .55 | .09 | | 1.47 | .05 | | | .15 | .37 | .68 | .05 | .28 | .01 | T. | | | | T. | .05 | .01 | T. | | .72 | .08 | | | 1.24 | .56 | .17 | | 6.55 |
| Dickson | Cumberland | | .24 | | 1.58 | .09 | | | | .97 | 2.12 | .03 | | .58 | | | | | | | | | | | | .83 | | 1.47 | .05 | .05 | .05 | | 8.06 |
| Dover | ....do | | .39 | T. | .11 | T. | T. | | | .83 | .11 | T. | | | | | | | | | | T. | T. | T. | T. | .86 | | T. | .76 | | T. | | 3.06 |
| Dunlap | Tennessee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elizabethton[‖] | ....do | .04 | .02 | .08 | | .41 | .56 | | | | .22 | .09 | .48 | .29 | .16 | .39 | .15 | .14 | | | .05 | | 1.72 | | | .06 | | | | .27 | | | 5.13 |
| Erasmus | Cumberland | | .57 | | T. | 1.52 | .01 | | | .58 | .58 | .36 | .41 | .82 | .02 | .21 | .05 | | | | .41 | | .42 | .04 | .22 | | | | .99 | .02 | .02 | | 7.25 |
| Florence | ....do | .05 | .46 | | | .47 | | | | .30 | 1.34 | | | | | | | | | | .65 | | .02 | | | .84 | 1.14 | | 1.58 | .68 | .16 | | 7.69 |
| Franklin | ....do | T. | .54 | | .41 | .10 | .05 | | | .82 | 1.68 | .24 | | T. | | | T. | | | | T. | | | T. | | .53 | | T. | .50 | 1.55 | .07 | | 6.49 |
| Halls Hill[‖] | ....do | T. | | .55 | | .70 | .09 | | | .35 | 1.95 | | | .05 | .08 | | | | | | | .23 | .05 | .85 | | 1.90 | .85 | | 1.18 | 1.40 | T. | | 10.23 |
| Harriman | Tennessee | T. | .44 | | | .88 | .21 | | | | .75 | .07 | T. | .87 | T. | .42 | | | | | .08 | | .17 | | T. | | | | .55 | T. | .13 | | 4.57 |
| Hohenwald | ....do | .10 | .09 | | | .30 | | | | 1.60 | .75 | .10 | | | | | | | | | | | .12 | | | | | | .33 | | .64 | | 4.03 |
| Iron City | ....do | | T. | | | .35 | | | .04 | | 2.16 | | | .05 | | | | | | .64 | T. | | T. | | T. | | .68 | | .62 | .02 | .64 | | 5.20 |
| Jefferson City | ....do | | | .14 | | 1.07 | | | | | .10 | .16 | .15 | | | .04 | .07 | .04 | | .02 | .25 | | | | | | | | .11 | .02 | .04 | | 2.21 |
| Johnsonville | ....do | T. | .10 | | .72 | .08 | | | T. | .56 | .92 | .31 | | | | | | | | | | T. | | .24 | | .26 | | | .60 | .14 | .02 | | 3.95 |
| Jonesboro | ....do | | | | 1.26 | | | | | | | | .56 | .19 | .10 | .20 | T. | | | | .18 | | .03 | | .52 | | | | | | .25 | | 3.29 |
| Kingston[‖] | ....do | | | .37 | | .36 | .27 | | | | .31 | .48 | .02 | .42 | 1.72 | | .58 | | | | | T. | | .04 | T. | .06 | | | | .18 | .04 | | 4.85 |
| Knoxville | ....do | T. | .20 | | .13 | .85 | | T. | | T. | .22 | .10 | .02 | .09 | | .11 | | .02 | | T. | .20 | .04 | | .02 | .38 | | .37 | | .30 | .08 | | | 3.13 |
| Lebanon | Cumberland | .50 | .42 | T. | .55 | .45 | | | | .30 | 2.02 | .10 | | T. | | | | | | | .35 | | T. | .25 | .51 | | | | 3.43 | .13 | T. | | 9.01 |
| Lewisburg | Tennessee | .06 | | T. | T. | .35 | | | T. | .90 | 2.35 | | | T. | | | | | | | .02 | .08 | .05 | .18 | | | | T. | 1.05 | .01 | .12 | | 5.17 |
| Loudon[‖] | ....do | | T. | .38 | | .52 | .70 | | | T. | .33 | .05 | .07 | .83 | .03 | | .06 | | | | .09 | T. | | .06 | .03 | | | T. | | .64 | .19 | | 3.98 |
| Lynnville | ....do | | .04 | | T. | .27 | | | | .84 | 3.87 | | | | | | | | | T. | | | | | | | T. | .64 | 49 1.15 | .69 | | 7.99 |
| McGhee[‖] | ....do | T. | .05 | .35 | | .80 | 1.30 | | | T. | .20 | .10 | .05 | .20 | .65 | | .10 | | | | .10 | .05 | | | | .55 | | | | 1.80 | .40 | | 6.80 |
| McMinnville | Cumberland | .03 | .59 | T. | .01 | .28 | | | T. | .29 | .91 | .19 | T. | .35 | | T. | | | | | .19 | .07 | .01 | T. | .05 | T. | .14 | | 1.11 | .04 | .15 | | 5.41 |
| Maryville | Tennessee | .02 | .27 | .16 | | 1.70 | .03 | | | .09 | .16 | .14 | .13 | .08 | .04 | | | | | .67 | .96 | | | .01 | | | .04 | | .33 | .50 | .13 | | 5.46 |
| Mountain City | ....do | | | .15 | | 1.34 | | | | .35 | .10 | | .58 | .45 | | .54 | .41 | .05 | | | | .42 | | .28 | .20 | | | | | .35 | | | 5.22 |
| Nashville | Cumberland | .04 | .71 | | .95 | .19 | | | .05 | .47 | 1.54 | .06 | | | | | | | | .02 | .83 | | | .36 | .24 | T. | | .24 | .68 | .23 | T. | | 6.61 |
| Newport | Tennessee | | | .10 | | 2.00 | | | | | T. | .20 | .30 | .25 | .25 | | | T. | | | | | | | | | | | .80 | | | | 3.90 |
| New River[‖] | Cumberland | | | .25 | | .78 | .42 | | | | .63 | 2.69 | .22 | .34 | | | .15 | | | | | | | | | .85 | | | | .62 | | | 6.95 |
| Palmetto | Tennessee | | .09 | | .34 | | | | | .70 | 1.71 | .02 | | .37 | | | | | | .16 | 1.13 | .83 | .06 | | .07 | T. | .10 | | 1.23 | .03 | .47 | | 7.31 |
| Pinewood | ....do | | .06 | | .23 | 1.05 | | | | 1.11 | .85 | .02 | T. | | | | | | | | | | | | T. | .28 | | .02 | .60 | .46 | .12 | | 4.80 |
| Pope | ....do | | | T. | | .70 | | | | 1.10 | 1.10 | T. | | | | | | | | | | | | | | | | | .60 | T. | T. | | 3.50 |
| Rogersville[‖] | ....do | T. | | .08 | T. | .92 | .44 | | | | .01 | .06 | .18 | .10 | .02 | .46 | .04 | .14 | | | T. | | .01 | | .14 | .10 | | | | .18 | .01 | | 2.95 |
| Rugby | Cumberland | | .26 | .05 | .40 | .75 | .40 | | | .78 | | .39 | | .40 | | .30 | | | | T. | | | .13 | .08 | 1.05 | | | | .68 | | .10 | | 5.77 |
| Savannah | Tennessee | | .10 | | .75 | | | | .25 | .55 | .25 | | | | | | | | | | | T. | .88 | | T. | | | | T. | 1.00 | .83 | | 4.61 |
| Sevierville | ....do | | .19 | .12 | | 1.40 | .11 | | | | .16 | .26 | .22 | .01 | .09 | .82 | .06 | | | .21 | .10 | T. | .05 | | | .29 | | | .24 | .21 | T. | | 4.54 |
| Sewanee | ....do | | .17 | | | .72 | | | | | | .98 | 1.17 | | | | | | | | .32 | | | | | | | | 2.52 | | .47 | | 6.35 |
| Sparta | Cumberland | T. | .05 | T. | | 1.45 | T. | | T. | | 1.03 | .15 | T. | T. | .05 | T. | | | | | .60 | .05 | .02 | | T. | | | | | 1.50 | T. | | 4.10 |
| Springdale | Tennessee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Springville | ....do | | .12 | | .23 | .05 | .01 | | | .71 | .18 | | | | | | | | | | .11 | | | | | .37 | | | .78 | .01 | .02 | | 2.59 |
| Tazewell[‖] | ....do | | | .15 | | .77 | .18 | | | | .21 | .41 | .11 | | .30 | | .13 | T. | | | .09 | | | .33 | .62 | | | | | .80 | T. | | 4.10 |
| Tullahoma | ....do | | .16 | | | .72 | | | | .61 | 1.19 | .04 | .02 | .30 | | | | | | | T. | .12 | .02 | | | | | | 1.51 | .79 | .25 | | 5.73 |
| Walling[‖] | Cumberland | .08 | | .50 | | .60 | .85 | | | .06 | 1.06 | .44 | | .06 | .08 | | .02 | | | | | 1.20 | .99 | .01 | | .10 | | .01 | | 1.25 | | | 7.31 |
| Waynesboro | Tennessee | T. | .05 | | .45 | .06 | | | | 1.60 | .80 | T. | | .59 | | | | | | | .09 | .28 | | | | .10 | .20 | T. | .25 | .42 | .84 | | 5.73 |
| Wildersville | ....do | | | T. | .37 | .02 | | | | .70 | .83 | .20 | | | | | | | | | | | | | | | | | .20 | .40 | .25 | | 2.97 |
| Worsham[‖] | Cumberland | | .28 | | | .39 | | | | .61 | 1.00 | .12 | | | | | | | | | .23 | | | .33 | .48 | | | | 1.35 | | | | 4.79 |
| Yukon | Tennessee | | | | .23 | .26 | | | | .95 | 1.00 | | | .04 | | | | | | .05 | .40 | T. | 1.20 | | | | | T. | 2.00 | .36 | | | 6.49 |
| *Kentucky.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alpha | Cumberland | T. | .25 | | 1.01 | .70 | | | | 1.10 | 1.45 | .20 | | T. | | | | | | | .27 | | .11 | .30 | .12 | T. | | | 1.55 | | | | 7.06 |
| Anchorage | Ohio | | T. | | .41 | | | | | .98 | 3.02 | | | | | | | | | T. | | | | | | | | | 22 | | | | 4.63 |
| Bardstown[‖] | Salt | | | | | .55 | .12 | | | 1.79 | 1.90 | .66 | .03 | | | | | | | | | .07 | | .35 | | | | | | | .03 | | | 5.50 |
| Beattyville | Kentucky | | | | | 1.64 | .34 | | | .12 | .98 | .60 | .06 | | | | .36 | T. | | | .26 | | | | | | | | | | | | | 4.98 |
| Beaverdam[‖] | Green | | | .10 | .07 | .98 | T. | | | .65 | .22 | .29 | | | | | | | | | | | | | | | | | T. | T. | T. | | 2.30 |
| Berea | Kentucky | | | | .85 | 1.24 | | | | 1.74 | .94 | .07 | | | | .30 | .26 | | | .28 | .06 | | | | | | | | | .55 | | | | 6.29 |
| Bowling Green[‖] | Green | .01 | | .32 | T. | 1.40 | .10 | T. | | .01 | 1.67 | .46 | .20 | | | | | | | | | .20 | | | | .04 | | | | .80 | .61 | | | 5.82 |
| Burnside[‖] | Cumberland | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cadiz | ....do | | .18 | | .45 | .39 | | | | .60 | .12 | | | | | | | | | | | | | | | .30 | | | .22 | | | | 2.26 |
| Calhoun | Green | .01 | T. | .10 | .63 | .39 | | | | .93 | .22 | .09 | | | | | | | | | T. | | | T. | | T. | .02 | .03 | .04 | | | | 2.46 |
| Catlettsburg[‖] | Big Sandy | .02 | | .10 | | 1.00 | .44 | .04 | | .01 | 1.04 | 1.20 | | | | T. | .08 | .26 | | | .02 | | | | .68 | .04 | | .54 | .70 | .04 | | | 6.21 |
| Earlington[‖] | Green | T. | | .30 | | .81 | | | | .49 | .05 | .30 | | | | | | | | | | .07 | | | .10 | .14 | | .02 | .04 | | | | 2.32 |
| Edmonton | ....do | | .20 | | .59 | 1.05 | | | | .57 | 2.66 | .17 | | | | | .01 | | | | | | | .12 | .22 | | | | .75 | | | | 6.44 |
| Eubank[‖] | Cumberland | | | .04 | | 1.91 | .44 | | | .25 | 1.90 | .91 | .05 | | T. | | .54 | | | | .30 | | | T. | .05 | | | | .31 | .30 | | | 7.00 |
| Falmouth[‖] | Licking | | | .04 | | .20 | T. | | | .25 | 1.32 | 1.06 | T. | | | | | | | | | | | | | .95 | | .06 | .86 | | | | 4.74 |
| Farmers | ....do | | .06 | | .31 | 1.71 | .01 | .01 | | 1.75 | 1.06 | .05 | | | | .10 | .16 | | | .16 | | | | | | | | | | | | | 7.24 |
| Frankfort[‖] | Kentucky | | | | | 1.59 | .02 | .04 | | .82 | 1.79 | .73 | T. | | | | | | | | .70 | | | .08 | | .40 | | | .69 | .11 | .69 | | | 6.56 |
| Franklin | Green | | .50 | T. | .13 | .37 | | | | .33 | 1.40 | .13 | | | | | | | | | | | T. | .06 | | .20 | | | .42 | T. | | | 4.25 |
| Greensburg[‖] | ....do | | | .13 | .06 | 1.20 | .48 | | | .28 | 1.63 | .93 | .18 | | | | | | | | | | | | .10 | | | | 1.13 | | | | 4.23 |
| High Bridge[‖] | Kentucky | | | | | 1.22 | .44 | | | 1.14 | 1.12 | 1.16 | .05 | | | | .39 | | | | .52 | | | | 47 | .13 | .02 | | .75 | .13 | | | 5.87 |
| Hopkinsville | Cumberland | T. | | .40 | | 1.23 | | | | .95 | .10 | .15 | | | | | | | | | .60 | | | .10 | .60 | | | | .78 | .03 | | | 7.47 |
| Irvington | Ohio | | | T. | .46 | .39 | | | | 1.61 | 1.63 | | | | | | | | | | | .47 | | T. | | | | | .50 | .20 | | | 4.83 |
| Leitchfield | Green | | | .15 | .46 | .67 | | | | 1.82 | .87 | .21 | | | | | | | | | | | | .15 | | | | | T. | | | | 4.56 |
| Lexington | Kentucky | | T. | | .48 | .43 | T. | | | 1.42 | 1.95 | T. | | | | .03 | | | | .32 | T. | | | .01 | .31 | | | | .45 | | | | 4.78 |
| Loretto | Salt | | T. | | .49 | 1.00 | | | | 1.67 | 1.32 | .05 | | | | | | | | | .02 | | | | .03 | | | | .97 | | | | 5.92 |
| Louisville | Ohio | T. | T. | T. | .39 | .07 | T. | | | .75 | 2.41 | T. | | | | | | | | T. | .01 | | .04 | .05 | T. | | T. | T. | .95 | | | | 5.53 |
| Marion | ....do | | .69 | T. | .37 | 1.29 | T. | | | .77 | .91 | | | | | | | | | | | | | | | | | | .36 | | | | 4.08 |
| Maysville[‖] | ....do | | | | | .62 | .05 | .03 | | .38 | .95 | 2.10 | | | | | | .25 | | | | | | | | | | | .67 | | | | 4.70 |
| Middlesboro | Cumberland | | | .14 | | .74 | .35 | | | .38 | .30 | .72 | .13 | .62 | | .24 | .33 | | | | | | | | .18 | .22 | .24 | | 1.56 | .72 | .04 | | 7.34 |
| Mount Sterling[‖] | Licking | T. | | .15 | | .66 | 1.26 | | | .58 | 1.70 | 1.34 | T. | | | | .83 | .15 | | | .06 | | | | .28 | | | | | 1.02 | | | 5.25 |
| Owensboro[‖] | Ohio | | | | .12 | 2.45 | .32 | | | 1.20 | .25 | .40 | | | | | | | | | | | | | | .22 | T. | T. | .80 | 1.47 | .09 | | 9.31 |
| Owenton | Kentucky | | | | .29 | .37 | | | | .65 | 2.68 | | | | | | | | | .35 | | | | | T. | | | | .03 | .73 | | | 5.50 |
| Paducah[‖] | Ohio | | | .10 | | 1.80 | | | | .70 | | | | | | | | | | | | .20 | | | | .10 | | | .37 | | | | 4.71 |
| Pikeville[‖] | Big Sandy | | | | | 1.20 | .90 | | | | .80 | .68 | .12 | .30 | .28 | | .86 | .66 | | | .52 | | .10 | | T. | | | | | .02 | | | | 2.92 |
| Richmond[‖] | Kentucky | | | .12 | | 1.15 | .56 | | | .23 | 1.40 | 1.33 | T. | | | | .32 | | | | .15 | .03 | | T. | | | | | .26 | | .24 | | | 6.92 |
| St. John[‖] | Salt | | .02 | | .01 | .68 | .98 | | | .97 | 1.27 | .47 | | | | | | | | | | | | | | | | | .05 | .63 | .13 | | | 6.10 |
| Scott | Licking | | T. | | .02 | .01 | T. | | | .84 | .80 | .05 | | | | | | | | | | | | | | .53 | | | .10 | .55 | | | | 5.12 |
| Shelby City | Kentucky | | | | .46 | 1.10 | T. | | | 1.28 | 1.48 | .01 | | | | .30 | .03 | | | | .31 | | | .10 | | .05 | | | .88 | | | | | 2.90 |
| Shelbyville[‖] | Salt | | | | | .69 | .04 | T. | | .65 | 1.98 | .64 | | | | | | | | | .22 | | | | | .20 | .06 | | .07 | .42 | T. | | | 5.99 |
| Taylorsville | ....do | T. | | T. | .33 | .97 | | .02 | | 1.62 | 2.28 | .03 | | | | | | | | T. | .37 | | | | | .31 | | | | .71 | | | | 4.97 |
| Williamsburg[‖] | Cumberland | | | .13 | T. | .50 | .76 | | | .21 | .39 | 1.03 | .11 | .10 | .11 | | .78 | | | | | | | .20 | | | | | | | | 1.40 | | 6.64 |
| Williamstown[‖] | Licking | | | | | .35 | .01 | .03 | | .21 | 1.20 | 1.28 | | | T. | | | | | | | | | | | .16 | | | .11 | 1.06 | | | | 5.72 |
| *Indiana.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.41 |
| Anderson | West Fork, White | | .18 | | T. | | T. | | | .15 | .06 | T. | | | | T. | .03 | | T. | .03 | | | T. | | | | | 1.62 | | | | | 2.07 |
| Bloomington | ....do | | | | | .66 | | | | .13 | .16 | .10 | | | | | | | | | .06 | | | | | T. | | .28 | .41 | | | | 1.80 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 3*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Indiana*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bluffton | Wabash | .02 | .25 | | T | | | | | T. | | | | | .17 | .06 | | | | .26 | | .10 | | | | | | .10 | | | | 0.96 |
| Butlerville | East Fork, White | | .09 | | .32 | | | | | .33 | .83 | | | | | | | | | | | | | | | | | | | | | 3.07 |
| Cambridge City | Whitewater | .03 | | .21 | | .12 | | .10 | | .05 | .07 | .34 | | | | .02 | | | | .02 | | | | | | | | .09 | .43 | | | | 1.48 |
| Columbus | East Fork, White | | | | | .28 | | | | .14 | .06 | .23 | | | | | | | | | | | | | | | | | .54 | | | | 1.25 |
| Connersville | Whitewater | | T. | | .13 | | .17 | | | .16 | .17 | T. | | | .06 | | | | | .03 | T. | | | | | | | .97 | .02 | | | | 1.71 |
| Delphi | Wabash | T. | | .28 | | .01 | .02 | | | .13 | | | .02 | | .07 | | T. | | | T. | | | | | T. | | | 1.06 | .17 | | | | 1.76 |
| Eminence | West Fork, White | | T. | | .20 | | | | | .45 | | .06 | | | | | | | | | | | | | .05 | | | 1.55 | | | | | 2.31 |
| Evansville | Ohio | | | .08 | .09 | .33 | | | T. | .64 | 1.67 | | | | T. | | | | | | T. | | T. | T. | | | | .31 | | | | | 3.12 |
| Farmersburg | Wabash | | | | .50 | | | | | | | .20 | | | | | | | | | .07 | | | .10 | .16 | | | 1.82 | | | | | 2.85 |
| Farmland | West Fork, White | .21 | | .28 | | | | | | .10 | T. | .18 | | | | .10 | | | | .10 | .10 | | | | | | | .17 | .63 | | | | 1.87 |
| Greenfield | East Fork, White | | .16 | | .26 | | .11 | | | .18 | .10 | | | | T. | | | | | .15 | | | | | | | | 1.20 | T. | | | | 2.16 |
| Greensburg | ....do | | T. | | .23 | | | | | .24 | .31 | | | | T. | | | | T. | | T. | | | | | | | 1.06 | .02 | | | | 1.86 |
| Heltonville | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Huntingburg | Wabash | | | | .50 | | | | | .32 | .95 | | | | | | | | | .22 | | | | | | | | | | | | | 1.99 |
| Huntington | ....do | | .25 | | T. | | T. | | | | | .05 | | | .05 | .45 | | | .05 | | | | | | | | | .04 | | | | | 0.89 |
| Indianapolis | West Fork, White | | .10 | | .20 | | .12 | | T. | .50 | .05 | | | | .10 | .03 | | | | | | | .09 | | | | .12 | 1.94 | T. | | | | 3.25 |
| Jeffersonville | Ohio | | T. | T. | .02 | .51 | T. | | | .09 | 1.96 | .01 | | | | | | | T. | .06 | | | .16 | T. | | | T. | | .41 | | | | 3.82 |
| Judyville | Wabash | | .20 | | | | T. | | | .07 | | T. | | | .08 | | | | | | | | | | | | .80 | .73 | | | | | 1.88 |
| Kokomo | ....do | | .16 | | | | | | | .05 | | .23 | | | | | | | | .40 | | | | | | | | .78 | | | | | 1.62 |
| Lafayette | ....do | | T. | .23 | | .01 | .01 | T. | | .05 | | | .20 | | .10 | | T. | | | | | | T. | | .12 | | | 1.45 | .45 | | | | 2.62 |
| Logansport | ....do | | | .33 | | .03 | | | | .04 | | | .35 | | | | | | | | | | | | | | | .25 | .16 | | | | 1.16 |
| Madison | Ohio | | | | .07 | | .09 | | | .50 | 1.17 | | | | | | | | | T. | | | | | .12 | | .07 | .03 | .65 | | | | 2.70 |
| Marengo | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marion | Wabash | .12 | | .23 | | | | T. | | T. | | | | | | .05 | .28 | | | | | | | | | | | .10 | .15 | | | | 0.93 |
| Markle | ....do | | .30 | | T. | T. | T. | | | | | T. | | | T. | .40 | | | .10 | | | | | | | | | .30 | | | | | 1.10 |
| Mauzy | East Fork, White | | .10 | | .13 | | .17 | | | .44 | .29 | .06 | | | .03 | | | | | .04 | | | | | | | | 1.06 | T. | | | | 2.32 |
| Moores Hill | Ohio | | | | .12 | | | | | .45 | .55 | | | | | | | | | | | | | | .19 | | | .12 | | | | | 1.43 |
| Mount Vernon | ....do | T. | | | .08 | .28 | | | | .26 | 3.13 | .48 | | | | | | | | | | .24 | | | | .16 | | | .24 | | | | 4.87 |
| Paoli | East Fork, White | | | | .16 | .07 | | | | .19 | .82 | .02 | | | | | | | | | .03 | | | | .08 | | .11 | .44 | .31 | | | | 2.23 |
| Princeton | Wabash | | | | .60 | | | | | .36 | .65 | | | | .10 | | | | | | | | | | .22 | | .27 | | | | | | 2.20 |
| Richmond | Whitewater | | .18 | | .10 | T. | .07 | | | .12 | .12 | | | | | .05 | | | .04 | | | | | | | | | .74 | | | | | 1.42 |
| Rochester | Wabash | | .32 | | T. | .10 | T. | | | T. | | | | | | | | | | | | | | | | | | T. | | | | | 0.42 |
| Rockville | ....do | | .10 | | .41 | .03 | .06 | | | .18 | T. | .03 | | | | | | | | | | | | | | | .04 | 1.21 | | | | | 2.06 |
| Rome | Ohio | | .05 | | .67 | .11 | * | * | * | 1.23 | 1.47 | .24 | | | .01 | | | | | | | .05 | | | | | | .34 | | | | | 4.17 |
| Salamonia | Wabash | .04 | .25 | | | | | | | | .07 | T. | | | | T. | | | | .98 | | | | | | | 1.12 | | | | | 2.46 |
| Salem | Ohio | | T. | | .08 | .40 | T. | | | .27 | .77 | .05 | | | | | | | T. | T. | .21 | | | .73 | | | T. | .06 | 1.40 | | | | 3.97 |
| Scottsburg | East Fork, White | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seymour | ....do | | | | .22 | | | | | .22 | .60 | | | | | | | | T. | .04 | | | | | .42 | | .26 | .78 | .36 | | | | 2.90 |
| Shelbyville | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Terre Haute | Wabash | | | | .52 | | | | | T. | | | | | | | | | | | | | | | | | | 1.08 | | | | | 1.60 |
| Veedersburg | ....do | | .16 | | .03 | .01 | .03 | | | .19 | | | | | .02 | T. | | | | | | | | | | | | 1.46 | | | | | 1.90 |
| Vevay | Ohio | | | | .05 | T. | .10 | | | .50 | 1.10 | .10 | | | | .10 | | | | | | | | | .25 | | | .45 | | | | | 2.65 |
| Vincennes | Wabash | | | T. | T. | .40 | | | | T. | .40 | .10 | | | | T. | | | | | T. | | | | 1.60 | T. | | 2.00 | T. | | | | 4.50 |
| Washington | West Fork, White | | | | .05 | .10 | .01 | | | .14 | .45 | .06 | | | | | | | | | .07 | | | | | .03 | | .33 | .25 | | | | 1.49 |
| Whitestown | ....do | | .14 | | T. | T. | .04 | | | .37 | .02 | T. | | | .03 | | | | T. | | | | | | | .06 | 1.56 | | | | | 2.22 |
| Winona Lake | Wabash | | .34 | | .01 | .07 | | | | | | .05 | | | | | | | | | | | | | | | | .29 | T. | | | | 0.77 |
| Worthington | West Fork, White | | | | .77 | | | | | .09 | .18 | .02 | .06 | | | | | | | .03 | .28 | | | | .06 | | .37 | .71 | .44 | | | | 3.10 |
| *Illinois.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Albion | Wabash | | | .14 | .06 | | | | | .36 | .35 | | | | | | | | | | | | | .05 | | | | .40 | | | | | 1.36 |
| Charleston | ....do | | | | .79 | | | | .17 | T. | .15 | | | | | | | | | | | | | | | | .70 | .62 | | | | | 2.43 |
| Equality | ....do | T. | T. | .07 | .10 | .52 | T. | T. | .10 | .20 | | | | | | | | | | | .08 | | T. | T. | 10 | | T. | .62 | .05 | | | | 2.84 |
| Fairfield | Ohio | .05 | | T. | | .14 | | | | | .26 | | | | | | | | | T. | | | | | | | | .43 | .26 | | | | 1.14 |
| Flora | Wabash | | | .07 | .86 | | | | T. | .20 | .29 | | | T. | | | | | .87 | | | | | T. | T. | T. | T. | .94 | T. | | | | 3.23 |
| Golconda | Ohio | .10 | .51 | T. | 1.12 | .71 | | | | .71 | T. | | | | | | | | | | | | | | .07 | .04 | | | .16 | .25 | | | | 3.67 |
| Hooperston | Wabash | | .19 | | | .01 | .02 | | | .09 | | | | | | .56 | | | | | | | | | .02 | | | .01 | .83 | | | | 1.73 |
| McLeansboro | ....do | .10 | | | | .37 | | | | .63 | .07 | | | | | .06 | | | | | | | | | | | .58 | | | 1.32 | | | 3.13 |
| Martinsville | ....do | | T. | | .75 | | | | T. | | | | | | | | | | | T. | | | | | | | .12 | 1.28 | | | | | 2.15 |
| Mt. Carmel[‖] | ....do | | | | .06 | .44 | | | | .30 | .36 | .14 | | | | | | | | | | | | | | T. | | .16 | .26 | | | | 1.72 |
| New Burnside | Ohio | | | T. | .46 | .53 | | | | .96 | T. | | | | | | | | | | | | | | T. | | | | 1.00 | | | | 2.95 |
| Olney | Wabash | T. | | .07 | .45 | T. | | | .11 | | .62 | | | | | | | | | .04 | | | | T. | 1.04 | | .16 | .58 | | | | | 3.07 |
| Palestine | ....do | T. | T. | T. | .49 | | | | | .08 | .38 | | | | T. | | | | | | | | | .05 | | | T. | 1.22 | .05 | | | | 2.27 |
| Paris[‖] | ....do | | | T. | T. | .70 | | | | .15 | | | T. | | .20 | | | | | | | | | | | | | 1.10 | .85 | | | | 3.00 |
| Philo | ....do | | .06 | | .06 | | | | | .08 | | | | | | | | | | | | | | | | | .56 | 1.29 | | | | | 2.05 |
| Rantoul | ....do | | | .15 | | T. | .05 | | | .04 | | | | | | | | | | | | | | | .06 | | | .85 | .93 | | | | 2.08 |
| Robinson | ....do | | | T. | 1.05 | | | | | .65 | T. | | | | | | | | | .14 | | | | | | T. | | .45 | | | | | 2.29 |
| Sumner | ....do | | | T. | .41 | | | | | .21 | 1.72 | | | | | | | | | T. | | | | T. | T. | | | 1.19 | | | | | 3.53 |
| Tuscola[‖] | ....do | | T. | T. | .20 | .12 | | | .06 | .11 | | | | | | | | | | | | | | | | | .32 | .68 | .27 | | | | 1.76 |
| Urbana | ....do | | .10 | | T. | T. | .03 | | | .11 | | | | | T. | | | | | | | | | | | | 1.27 | 1.48 | | | | | 2.99 |

JUNE, 1910.

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 3, Ohio Valley.*

| Date. | Pennsylvania. | | West Virginia. | | | | | Ohio. | | | | |

TABLE 3.—*Maximum and minimum temperature at selected stations, June, 1910. District No. 8*—Continued.

| Date. | Kentucky. | | | | | | | | | | | | | | Indiana. | | | | | | | | | | | | Pillo, Ill. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bowling Green. ‡‡ | | Earlington. ‡‡ | | Greensburg. ‡‡ | | Lexington. | | Louisville. | | Maysville. ‡‡ | | Williamsburg. ‡‡ | | Butlerville. | | Evansville. | | Indianapolis. | | Kokomo. | | Rockville. | | Worthington. | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1... | 78 | 50 | 77 | 50 | 72 | 42 | 68 | 45 | 73 | 48 | 71 | 45 | 72 | 41 | 72 | 42 | 74 | 54 | 69 | 44 | 68 | 40 | 65 | 41 | 74 | 44 | 72 | 39 |
| 2... | 78 | 48 | 75 | 45 | 75 | 43 | 68 | 45 | 71 | 49 | 74 | 42 | 78 | 46 | 71 | 46 | 73 | 52 | 62 | 43 | 65 | 41 | 65 | 44 | 71 | 45 | 60 | 41 |
| 3... | 71 | 41 | 70 | 41 | 70 | 37 | 59 | 40 | 66 | 43 | 68 | 40 | 79 | 42 | 65 | 35 | 63 | 45 | 62 | 40 | 64 | 35 | 57 | 38 | 65 | 38 | 61 | 35 |
| 4... | 81 | 50 | 69 | 54 | 78 | 45 | 73 | 49 | 71 | 55 | 73 | 42 | 82 | 47 | 64 | 47 | 67 | 57 | 61 | 50 | 65 | 45 | 62 | 50 | 67 | 53 | 64 | 48 |
| 5... | 76 | 58 | 77 | 57 | 75 | 50 | 70 | 60 | 76 | 60 | 76 | 53 | 72 | 60 | 71 | 54 | 72 | 60 | 70 | 55 | 70 | 52 | 62 | 54 | 72 | 51 | 70 | 55 |
| 6... | 84 | 51 | 80 | 48 | 77 | 49 | 73 | 54 | 78 | 55 | 78 | 49 | 82 | 58 | 75 | 45 | 76 | 55 | 70 | 48 | 71 | 45 | 61 | 48 | 74 | 47 | 72 | 45 |
| 7... | 77 | 54 | 75 | 52 | 69 | 52 | 65 | 49 | 69 | 49 | 73 | 48 | 75 | 59 | 71 | 41 | 70 | 50 | 71 | 43 | 74 | 38 | 66 | 44 | 70 | 42 | 72 | 38 |
| 8... | 82 | 55 | 83 | 56 | 79 | 50 | 74 | 54 | 78 | 56 | 79 | 45 | 81 | 48 | 79 | 49 | 78 | 58 | 74 | 56 | 79 | 45 | 69 | 55 | 76 | 52 | 75 | 53 |
| 9... | 78 | 64 | 74 | 53 | 77 | 57 | 69 | 56 | 73 | 57 | 63 | 48 | 73 | 56 | 67 | 54 | 75 | 59 | 64 | 54 | 69 | 53 | 69 | 56 | 73 | 58 | 72 | 54 |
| 10... | 74 | 62 | 67 | 62 | 77 | 59 | 62 | 55 | 64 | 58 | 63 | 54 | 76 | 61 | 63 | 55 | 66 | 59 | 63 | 55 | 66 | 50 | 63 | 56 | 63 | 57 | 73 | 55 |
| 11... | 78 | 56 | 80 | 57 | 70 | 56 | 66 | 56 | 74 | 58 | 68 | 56 | 67 | 58 | 67 | 44 | 75 | 58 | 72 | 53 | 76 | 49 | 63 | 49 | 71 | 52 | 78 | 46 |
| 12... | 83 | 50 | 84 | 49 | 75 | 47 | 72 | 54 | 78 | 54 | 79 | 57 | 72 | 50 | 76 | 44 | 78 | 57 | 76 | 49 | 78 | 43 | 70 | 50 | 79 | 48 | 81 | 44 |
| 13... | 82 | 53 | 85 | 49 | 76 | 50 | 73 | 57 | 78 | 57 | 80 | 49 | 75 | 51 | 79 | 51 | 80 | 58 | 78 | 57 | 83 | 49 | 71 | 53 | 82 | 51 | 85 | 49 |
| 14... | 88 | 53 | 88 | 50 | 80 | 52 | 78 | 60 | 84 | 58 | 83 | 56 | 82 | 56 | 83 | 50 | 82 | 61 | 81 | 60 | 84 | 55 | 72 | 58 | 83 | 54 | 85 | 50 |
| 15... | 88 | 55 | 90 | 54 | 90 | 52 | 80 | 59 | 86 | 60 | 86 | 54 | 80 | 50 | 87 | 52 | 87 | 62 | 87 | 59 | 90 | 50 | 76 | 57 | 88 | 53 | 88 | 52 |
| 16... | 92 | 55 | 95 | 58 | 87 | 54 | 83 | 56 | 90 | 63 | 89 | 56 | 84 | 56 | 90 | 56 | 91 | 66 | 88 | 63 | 90 | 54 | 79 | 59 | 90 | 56 | 92 | 59 |
| 17... | 93 | 63 | 92 | 61 | 89 | 56 | 86 | 67 | 91 | 69 | 92 | 56 | 89 | 57 | 90 | 58 | 89 | 66 | 88 | 67 | 87 | 60 | 79 | 63 | 91 | 60 | 90 | 57 |
| 18... | 95 | 64 | 94 | 63 | 90 | 58 | 86 | 67 | 92 | 69 | 91 | 57 | 89 | 60 | 92 | 64 | 90 | 69 | 90 | 66 | 90 | 62 | 89 | 63 | 92 | 62 | 93 | 61 |
| 19... | 97 | 65 | 97 | 64 | 81 | 57 | 89 | 65 | 95 | 72 | 96 | 62 | 89 | 61 | 98 | 66 | 93 | 68 | 93 | 66 | 89 | 61 | 92 | 66 | 97 | 64 | 95 | 62 |
| 20... | 96 | 62 | 99 | 62 | 89 | 59 | 86 | 62 | 90 | 70 | 91 | 63 | 89 | 60 | 92 | 65 | 93 | 67 | 90 | 66 | 92 | 58 | 87 | 60 | 90 | 62 | 91 | 60 |
| 21... | 95 | 60 | 94 | 65 | 89 | 57 | 86 | 62 | 91 | 66 | 93 | 59 | 91 | 60 | 91 | 61 | 90 | 67 | 90 | 67 | 93 | 64 | 88 | 65 | 90 | 66 | 92 | 62 |
| 22... | 96 | 65 | 95 | 65 | 92 | 61 | 88 | 68 | 93 | 69 | 96 | 62 | 91 | 61 | 94 | 63 | 93 | 70 | 93 | 71 | 94 | 64 | 91 | 65 | 93 | 64 | 95 | 59 |
| 23... | 92 | 67 | 97 | 68 | 90 | 64 | 87 | 69 | 90 | 73 | 95 | 64 | 86 | 65 | 97 | 67 | 92 | 72 | 94 | 73 | 96 | 67 | 88 | 69 | 91 | 69 | 93 | 65 |
| 24... | 96 | 66 | 95 | 67 | 90 | 66 | 90 | 67 | 95 | 71 | 94 | 61 | 90 | 64 | 97 | 65 | 95 | 71 | 94 | 69 | 90 | 66 | 91 | 66 | 96 | 62 | 93 | 65 |
| 25... | 97 | 65 | 97 | 65 | 93 | 63 | 88 | 66 | 91 | 69 | 94 | 62 | 93 | 65 | 90 | 63 | 93 | 70 | 90 | 64 | 90 | 59 | 88 | 66 | 90 | 66 | 91 | 66 |
| 26... | 96 | 68 | 95 | 63 | 90 | 68 | 87 | 71 | 90 | 74 | 91 | 62 | 92 | 65 | 90 | 61 | 92 | 74 | 94 | 64 | 94 | 58 | 89 | 65 | 93 | 65 | 96 | 65 |
| 27... | 95 | 67 | 94 | 70 | 89 | 66 | 86 | 71 | 90 | 72 | 90 | 65 | 89 | 63 | 82 | 68 | 91 | 72 | 72 | 67 | 84 | 67 | 76 | 68 | 83 | 70 | 74 | 67 |
| 28... | 84 | 69 | 89 | 67 | 76 | 67 | 78 | 66 | 85 | 70 | 85 | 66 | 71 | 63 | 84 | 66 | 85 | 71 | 84 | 66 | 87 | 68 | 78 | 63 | 82 | 68 | 85 | 58 |
| 29... | 94 | 62 | 96 | 62 | 88 | 59 | 84 | 66 | 90 | 65 | 90 | 63 | 84 | 64 | 88 | 61 | 91 | 69 | 86 | 66 | 86 | 59 | 78 | 64 | 87 | 64 | 88 | 61 |
| 30... | 89 | 67 | 94 | 68 | 88 | 60 | 86 | 70 | 89 | 72 | 91 | 65 | 86 | 65 | 90 | 63 | 90 | 72 | 92 | 70 | 99 | 60 | 88 | 65 | 87 | 66 | 91 | 64 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mns | 86.8 | 58.9 | 86.8 | 58.2 | 82.0 | 55.2 | 78.0 | 59.5 | 82.7 | 62.0 | 83.1 | 55.4 | 82.0 | 57.1 | 81.8 | 55.2 | 82.8 | 63.0 | 79.9 | 59.0 | 82.1 | 53.9 | 75.7 | 57.3 | 82.0 | 57.0 | 82.2 | 54.5 |

## Climatological Data for June, 1910.

## DISTRICT No. 4, LAKE REGION.

Prof. HENRY J. COX District Editor.

### GENERAL SUMMARY.

The unseasonably cold weather of the latter half of April and the entire month of May continued throughout this region until near the close of the second week in June, record-breaking temperatures during this period being reported very generally. At the close of the second week a decided change occurred, and during the balance of the month warm weather prevailed, the temperature being exceptionally high in the northern and western portions of the region. The heat together with the drought, which was general, except in the Lake Champlain watershed, seriously effected pastures and growing crops. Many rivers were reported low and wells and springs were drying up, so that water had often to be carried from a considerable distance.

The cool weather which had persisted for two months was caused by a remarkable succession of high-pressure areas moving across the country with their centers well to the northward, thus producing northerly winds in the Great Lake region. At the beginning of June an area of high barometer central in Alberta gradually spread out, and by the 3d reached from the northern Rocky Mountain region eastward across the upper Mississippi Valley and Great Lake region. Rains preceded the advance of and immediately followed this area. A second area of high pressure immediately followed and so persisted over the Lake region as to force to the southward a storm advancing from the west, and as a consequence the ensuing rainfall was confined to the lower Lake region.

By the 14th the high-pressure areas took a more southerly course and, with the ensuing southerly winds, the temperature rose rapidly and remained with few exceptions far above the seasonal normal during the balance of the month.

The total number of rainy days (.01 inch or more) ranged from none at 2 stations in the Upper Michigan Peninsula to a maximum of 15 in the Green Mountains of Vermont. The percentage of sunshine was, as might be expected, far above the normal, except in the extreme east portion. For the Lake Superior region, taken as a whole, the month was the warmest and driest on record, and quite generally in the western and northern Lake region forest fires prevailed and smoke from these fires proved a serious menace to navigation in the Straits of Mackinac and St. Marys River.

The month was remarkably free from wind storms and there were but few thunderstorms of consequence. On the 27th a storm passed over the Maumee and Sandusky valleys during which 1 man and 8 cattle were killed. Snow pellets were observed at Chicago during a storm on the 2d, and on the same date light snow also occurred in the western Lake Superior region. Frosts were reported in northern Michigan on the 1st–4th; in northern Ohio on the 2d and 4th; in New York and Vermont on the 3d, 4th, and 5th, and on the 7th in the Wisconsin moorlands. The month as a whole was a remarkable one for both heat and cold; also over the greater portion of the district for dry weather.

Extracts from reports of section directors and other officials making special reference to the extreme conditions follow:

*Minnesota.*—By far the warmest and driest June in the history of the Duluth station. The maximum temperature reached or exceeded 90° on 7 dates. This is a greater number than for any July or August. The average occurrence of temperatures of 90° or higher has been but 1 per summer. The drought is unprecedented as June has been almost uniformly a wet (frequently the wettest) month. The total this month, 0.11 inch, is the third smallest on record for any season of the year. (Previous records: 0.10 inch, February, 1877; 0.09 inch, October, 1895). The mean temperature, 66°, exceeded the previous record by 3°. The maximum temperature, 97°, broke all previous records.—*H. W. Richardson, Local Forecaster.*

*Wisconsin.*—The weather was very dry and remarkably free from severe storms. The last 3 days of the month were especially warm with maximum temperatures near 100° on each day at most stations. There were numerous forest fires in the northern woods, causing much smoky weather in even the southern portion of the State. The rivers fell slowly and at the end of the month extremely low water conditions were reported over the whole State.—*H. B. Hersey, Section Director.*

*Upper Michigan.*—The rainfall for the month at Escanaba was decidedly deficient. As a result forest fires started about the 11th and continued during the remainder of the month, causing considerable damage. Light smoke or light haze continued nearly all the time from the 13th to the end of the month; dense smoke occurred on the 29th. High temperatures occurred the last 2 days, 91° on the 29th, and 94° on the 30th. The latter lacked but 2° of the highest temperature on record at this station, 96° on June 28, 1890, and was equaled only on one other occasion, August 3, 1888.—*H. S. Cole, Observer, Escanaba.*

*Lower Michigan.*—The mean temperature at Detroit averaged 10° below the normal during the 1st to 12th, and slightly more than 5° above the normal during the remainder of the month. The total movement of wind was 7,752 miles. This is the least number of miles recorded during any month since the anemometer was placed in its present position on May 30, 1907.—*N. B. Conger, Inspector, Detroit.*

*Indiana.*—The rainfall was light and scattered and much less than the normal amount. The greater portion fell during the first week, the remainder being made up of small amounts, which fell in connection with thunderstorms on several dates scattered throughout the month. By the end of the month, the dry weather had assumed the proportions of a drought, and was seriously injuring the growth and development of some of the staple crops. Such vegetation as was well advanced toward maturity was not materially affected.—*V. H. Church, Section Director.*

*Ohio.*—A minimum temperature of 34° was recorded on the 2d at 5 stations in the northwestern portion of the State and 33° was recorded in Richland and Lorain counties on the 4th. Frost was reported on the 2d in Hardin, Paulding, and Sandusky counties, and in Sandusky County on the 4th. Vegetation made very little growth during this cold period.—*J. Warren Smith, Section Director.*

*New York.*—Unusually cold weather prevailed at the beginning of the month, and the temperature gradually lowered until the 4th, on which date the lowest temperatures of the month were recorded. Frosts occurred extensively on the 3d, 4th, and 5th, and were particularly severe and widespread on the 4th, covering nearly all that part of the State lying in District No. 4. Over one-third or more of the area the temperatures as recorded fell to 32° or below on that date, and frost occurred in some localities where it had been previously unknown in June. The cold weather of the first 13 days of June was remarkable in its duration as well as in its intensity, the average temperature for the period being nearly 10° below normal for the entire section.—*W. M. Wilson, Section Director.*

*Vermont.*—Heavy frost occurred at Norfolk on the mornings of June 4 and 5, with minimum temperatures of 32° and 28°, respectively. Ice formed on both mornings, and the ground was slightly frozen in places. This was the lowest temperature ever recorded at this station in June, the lowest previous record being 30° on June 7, 1894. Considerable damage was done to corn, strawberries, and garden truck. Reports vary as to the damage done to the apple crop by the frosts of May and June. Some report much dropping of winter apples, while others state but little damage has been done. On the whole, it is probable that but little damage has been done to the early apples, while the crop of winter apples may be reduced one-fourth to one-third.—*W. S. Shaw, Local Forecaster, Northfield.*

The following extract is taken from the Ogdensburg Journal of June 6:

Reports from all sections of northern New York show that the severe frost of Friday and Saturday nights was widespread, and many thousands of dollars' damage was done to vegetable gardens, corn, clover, potatoes, hops, and especially to small fruits just budding or blossoming. The ground in some sections was frozen hard. Ice formed on all still ponds of water, and in the woods it was not melted by the sun until nearly noon. Potatoes, corn, and tomatoes that stood up strong and vigorous the day before were flat on the ground after the frost, blackened and dead. The oldest inhabitants do not recall as hard a freeze so late in the season. Considerable damage was done to crops and garden truck in St. Lawrence County on Saturday night. Corn is turning black and replanting will be necessary in many instances.

### TEMPERATURE.

The average temperature of the month was below normal in the southern half of the Lower Michigan Peninsula and thence eastward to the eastern limits of the district, while in the Lake Superior watershed and the western Lake Michigan section it was far above the normal. The greatest excess was 7.8° at

Duluth, Minn., while the greatest deficiency was 3.8° at Northfield, Vt. The reason for this great difference in temperature between the eastern and western portions of the region is that the cold weather of the first part of the month moderated 2 days earlier in the western than in the eastern section, and although during the second half of the month the temperature was high over the whole district, excessive temperatures were confined mostly to the western portion.

### PRECIPITATION.

While there was a nearly normal rainfall during the month in the Lake Champlain watershed and central New York, the amount decreased rather regularly thence westward to the drought stricken sections of the upper Lake region. The largest monthly fall, 4.62 inches, occurred at Nehasane, N. Y., while but a trace was reported from Humbolt and Powers, in the Upper Michigan Peninsula. Where a moderate amount of rain fell, it was confined mostly to the first half of the month, so that even in the eastern sections moisture was needed by the end of the month. There were but very few instances when heavy individual rains occurred.

### DAMAGE TO FRUIT FROM FROSTS OF APRIL AND MAY.

Serious damage to fruit was reported quite generally in the MONTHLY WEATHER REVIEW of April and May as the result of the severe frosts and it was thought advisable to secure supplementary reports from the various section directors upon the subject, as it has been realized that often some time must elapse after a freeze before the amount of injury can be definitely determined. The following reports should prove interesting, bringing the information up to date:

*Minnesota.*—Currants and gooseberries will yield about one-tenth of the average; practically all other fruits are a total loss, except that there will be a few late apples, and a small yield of other very late fruits.—*U. G. Purssell, Section Director.*

*Wisconsin.*—All fruit was injured considerably, but apples will be at least half a crop. Cherries about the same. Strawberries are about over and were less than half a crop. Blackberries and raspberries about half a crop.—*H. B. Hersey, Section Director.*

*Michigan.*—Peaches were not materially damaged by the frosts of April and May. Apples and plums, however, were seriously injured ,and it is estimated that the crop will not be more than one-third of what it would have been had not the late frosts occurred. Grapes were seriously injured on low ground, but not to such a great extent on the high lands; the early buds were killed and the later ones, which afterward developed, appear to promise small and straggling bunches of grapes.—*F. H. Coleman, Acting Section Director.*

*Indiana.*—The extent of and damage from frost were not nearly as great as early reports from fruit growers indicated. Practically all fruits, however, were injured to some extent. Apples, the most generally grown fruit in the State, suffered less from frosts and freezing temperatures than other fruits. Conservative estimates place the yield at 25 per cent in excess of that of last year, which was a light crop. These figures would therefore indicate one-half or two-thirds of a full crop for this season. The less hardy tree fruits, particularly peaches, suffered an almost complete loss in the northern part of the State, but the conditions in the southern counties were more favorable. Some experimental work for the prevention of frost by smudging, when frost warnings were issued, was conducted with good results as far as small fruits were concerned. The extent of such experiments in peach orchards however, is believed to have been very limited, and no direct reports of results therefrom were obtained. I believe that, with proper smudging apparatus, much effective work could have been done during the latter part of April in the orchards of this State. Berries of all kinds were damaged to some extent. In some localities they will not exceed one-half a crop, while in others nearly the usual quantity will be harvested.—*V. H. Church, Section Director.*

*Ohio.*—Reports indicate a very serious injury to the fruit crop in most sections of the State. However, in the principal fruit belt that extends along the south shore of Lake Erie, there was very little damage and a large crop of peaches especially is promised; so large, in fact, that orchardists are thinning out the green peaches in order to save the trees from breaking.—*J. Warren Smith, Section Director.*

*New York.*—Such reports as have been received indicate that the damage has been more serious than was supposed a month or so ago.—*W. M. Wilson, Section Director.*

TABLE 1.—*Climatological data for June, 1910. District No. 4, Lake Region.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Minnesota.* | | | | | | | | | | | | | | | | | | | | |
| Cloquet | Carlton | 892 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. I. McNair. |
| Duluth | St. Louis | 1,133 | 39 | 65.5 | + 7.8 | 97 | 28 | 35 | 4 | 36 | 0.11 | − 4.20 | 0.04 | 0.0 | 4 | 14 | 13 | 3 | ne. | U. S. Weather Bureau. |
| Floodwood | ....do | 1,257 | 6 | 60.7 | ..... | 94a | 20† | 27a | 6 | 50a | 0.13 | ..... | 0.07 | 0.0 | 4 | 26 | 1 | 3 | s. | M. H. Schuessler. |
| Mount Iron | ....do | 1,510 | 16 | 66.2 | + 5.6 | 96 | 21 | 31 | 3† | 44 | 0.35 | − 4.04 | 0.13 | 0.0 | 3 | 19 | 9 | 2 | se. | Oliver Iron Mining Co. |
| Stephens Mine | ....do | 1,500 | 3 | 64.2 | ..... | 96 | 21 | 27 | 3 | 44 | 0.45 | ..... | 0.23 | T. | 5 | 17 | 10 | 3 | s. | Do. |
| Two Harbors | Lake | 614 | 16 | 61.1 | + 4.4 | 94 | 29 | 31 | 5 | 45 | 1.56 | − 2.62 | 0.70 | 0.0 | 4 | 4 | 17 | 9 | ne. | George W. Watts. |
| *Wisconsin.* | | | | | | | | | | | | | | | | | | | | |
| Appleton | Outagamie | 795 | 11 | 70.6 | + 6.6 | 99 | 29† | 39 | 2 | 39 | 0.78 | − 2.85 | 0.27 | 0.0 | 6 | 24 | 4 | 2 | s. | Wm. O. Thiede. |
| Ashland | Ashland | 647 | 16 | 65.8 | + 4.4 | 99 | 29† | 32 | 3 | 44 | 0.51 | − 2.92 | 0.40 | 0.0 | 2 | 24 | 3 | 3 | ne. | Sam Wheeler. |
| Cecil | Shawano | 804 | 3 | 66.8 | ..... | 100 | 29 | 35 | 11 | 42 | 0.85 | ..... | 0.70 | T. | 2 | 18 | 11 | 1 | sw. | Louis W. Schmidt. |
| Chilton | Calumet | 860 | 16 | 67.8 | + 2.2 | 98 | 29† | 39 | 2† | 37 | 1.53 | − 3.48 | 0.46 | 0.0 | 5 | 20 | 10 | 0 | ne. | Daniel V. Jones. |
| Crandon | Forest | 1,060 | 15 | 64.6 | + 1.3 | 96 | 29 | 31 | 11 | 44 | 0.39 | − 2.27 | 0.30 | 0.0 | 4 | 26 | 3 | 1 | ..... | Calvin T. H. Riggs. |
| Florence | Florence | 1,293 | 19 | 65.2 | + 3.4 | 96 | 29 | 32 | 3† | 43 | 1.17 | − 2.36 | 0.77 | 0.0 | 3 | 19 | 8 | 3 | nw. | Fred S. Evans. |
| Fond du Lac | Fond du Lac | 800 | 24 | 66.0 | 0.0 | 97 | 30 | 36 | 7 | 40 | 0.86 | − 2.67 | 0.36 | 0.0 | 3 | 26 | 0 | 4 | ne. | Geo. W. Marshall. |
| Grand River Locks | Marquette | 616 | 14 | 66.8 | ..... | 98 | 23† | 35 | 7 | 43 | 0.83 | − 3.85 | 0.47 | 0.0 | 3 | 26 | 3 | 1 | s. | Jerry Parkinson. |
| Green Bay | Brown | 617 | 24 | 68.3 | + 3.2 | 100 | 30 | 40 | 2 | 33 | 0.94 | − 2.61 | 0.32 | 0.0 | 6 | 13 | 10 | 7 | sw. | U. S. Weather Bureau. |
| Herbster | Bayfield | 700 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Wm. Angell. |
| Iron River | ....do | 1,096 | 1 | 68.8 | ..... | 99 | 28 | 32 | 3 | 42 | 1.90 | ..... | 1.60 | 0.0 | 5 | 22 | 5 | 3 | s. | Harry C. Hall. |
| Kewaunee | Kewaunee | 590 | 1 | 64.0 | ..... | 94 | 30 | 38 | 2 | 32 | 1.45 | ..... | 0.43 | 0.0 | 6 | 23 | 5 | 2 | s. | Eugene V. Kimball. |
| Manitowoc | Manitowoc | 616 | 59 | 65.2 | + 3.0 | 98 | 30 | 40 | 2 | 34 | 1.14 | − 2.33 | 0.55 | 0.0 | 6 | 15 | 13 | 2 | sw. | Johanna Lups. |
| Menasha | Winnebago | 764 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.28 | − 3.48 | 0.19 | 0.0 | 3 | 28 | 1 | 1 | ne. | George T. Allanson. |
| Menominee Falls | Waukesha | 842 | 1 | 67.0 | ..... | 96 | 30 | 37 | 2 | 39 | 2.66 | ..... | 1.42 | 0.0 | 6 | 23 | 4 | 3 | e. | Arthur H. Christman. |
| Milwaukee | Milwaukee | 681 | 40 | 66.8 | + 3.3 | 96 | 29 | 41 | 1 | 28 | 1.01 | − 2.66 | 0.41 | 0.0 | 8 | 22 | 3 | 5 | ne. | U. S. Weather Bureau. |
| New London | Outagamie | 762 | 14 | 69.1 | + 3.8 | 104 | 30 | 39 | 2 | 39 | 1.16 | − 2.88 | 0.45 | 0.0 | 4 | 20 | 8 | 2 | sw. | August H. Pape. |
| Oconto | Oconto | 590 | 19 | 66.9 | + 2.5 | 99 | 30 | 40 | 2 | 35 | 1.47 | − 1.93 | 0.59 | 0.0 | 4 | 20 | 8 | 2 | se. | William K. Smith. |
| Oshkosh | Winnebago | 744 | 21 | 68.2e | + 2.1 | 99e | 30 | 37e | 3 | 35e | 1.40 | − 3.13 | 0.65 | 0.0 | 3 | 25 | 3 | 2 | sw. | Evan Vincent. |
| Pine River | Waushara | 903 | 15 | 68.4 | + 3.3 | 101 | 30 | 37 | 1 | 38 | 1.21 | − 2.64 | 0.91 | 0.0 | 3 | 17 | 12 | 1 | nw. | George H. Carpenter. |
| Plum Island | Door | 588 | 2 | 64.2 | ..... | 95 | 30 | 38 | 2† | 35 | 0.86 | ..... | 0.68 | 0.0 | 4 | 18 | 5 | 7 | s. | John P. Whelan. |
| Port Washington | Ozaukee | 713 | 17 | 65.7 | + 3.1 | 93 | 23 | 38 | 2 | 36 | 1.06 | − 1.79 | 0.42 | 0.0 | 4 | 22 | 3 | 5 | se. | Richard C. Kann. |
| Racine | Racine | 633 | 13 | 66.2 | + 1.8 | 99 | 29 | 39 | 1 | 37 | 0.90 | − 2.23 | 0.52 | 0.0 | 4 | 20 | 8 | 2 | ne. | Daniel Davis. |
| Sheboygan | Sheboygan | 831 | 12 | 66.8 | + 4.0 | 96 | 30 | 40 | 1 | 34 | 1.83 | − 1.31 | 0.65 | 0.0 | 8 | 20 | 6 | 4 | se. | Louis C. Meyer. |
| Sturgeon Bay | Door | 600 | 12 | 63.2 | + 3.2 | 100 | 30 | 32 | 2† | 38 | 1.37 | ..... | 0.70 | 0.0 | 6 | 22 | 7 | 1 | se. | Adam N. Dier. |
| Superior | Douglas | 671 | 1 | 62.8 | ..... | 96 | 28† | 35 | 5 | 37 | 0.33 | ..... | 0.19 | 0.0 | 4 | 21 | 7 | 2 | ne. | Edward B. Banks. |
| Waupaca | Waupaca | 857 | 14 | 68.6 | + 3.3 | 103 | 30 | 39 | 7† | 42 | 0.89 | − 3.53 | 0.63 | 0.0 | 4 | 16 | 8 | 6 | se. | James H. Flagg. |
| *Illinois.* | | | | | | | | | | | | | | | | | | | | |
| Chicago | Cook | 824 | 40 | 68.2 | + 1.9 | 91 | 17‖ | 43 | 3‖ | 24 | 0.91 | − 2.75 | 0.41 | T. | 4 | 19 | 8 | 3 | n. | U. S. Weather Bureau. |
| *Indiana.* | | | | | | | | | | | | | | | | | | | | |
| Auburn | DeKalb | 874 | 14 | 64.8 | − 2.5 | 94 | 18 | 33 | 2 | 37 | 0.42 | − 3.20 | 0.23 | 0.0 | 3 | 21 | 0 | 9 | w. | Mrs. Josie B. Kuhlman. |
| Berne | Adams | 849 | .... | 67.1 | ..... | 97 | 23 | 39 | 3† | 42 | 1.10 | ..... | 0.54 | 0.0 | 7 | 15 | 11 | 3 | nw. | H. M. Reusser. |
| Elkhart‡ | Elkhart | 801 | 8 | 69.6 | ..... | 98 | 30 | 39 | 3 | 35 | 1.32 | ..... | 0.70 | 0.0 | 4 | 19 | 9 | 2 | nw. | Dr. Miles Medical Co. |
| Fort Wayne | Allen | 775 | 14 | 67.6 | − 0.9 | 98 | 23† | 36 | 2 | 45 | 0.28 | − 3.56 | 0.17 | 0.0 | 5 | 16 | 6 | 8 | nw. | Orion E. Mohler. |
| Hammond | Lake | 598 | 19 | 67.8 | − 0.4 | 94 | 23 | 40 | 1† | 41 | 1.37 | − 1.73 | 0.52 | 0.0 | 4 | 14 | 14 | 2 | ..... | Carson W. Whitney. |
| Howe | Lagrange | 886 | 5 | 66.6 | ..... | 97 | 30 | 36 | 2 | 45 | 1.81 | ..... | 0.55 | 0.0 | 6 | 22 | 0 | 8 | sw. | James E. Zook. |
| South Bend | St. Joseph | 726 | 17 | 67.5 | − 1.1 | 96 | 30 | 37 | 3 | 39 | 1.42 | − 1.76 | 0.62 | 0.0 | 7 | 19 | 4 | 7 | ne. | Henry H. Swaim. |
| Whiting | Lake | 606 | .... | 68.4 | ..... | 92 | 16 | 43 | 1† | 33 | 0.46 | ..... | 0.40 | 0.0 | 2 | 15 | 12 | 3 | ne. | D. H. Boyd. |
| *Michigan—Upper Peninsula.* | | | | | | | | | | | | | | | | | | | | |
| Baraga | Baraga | 623 | 8 | 62.6 | ..... | 98e | 30 | 34 | 14 | 55 | 1.00 | ..... | 0.50 | 0.0 | 2 | 23a | 0a | 6a | nw. | D., S. S. & A. Ry. |
| Bergland | Ontonagon | 1,300 | .... | 66.9 | ..... | 95 | 30 | 27 | 3 | 47 | 1.57 | ..... | 0.54 | T. | 5 | 16 | 10 | 4 | w. | Frank McMonigal. |
| Blaney | Schoolcraft | ..... | 3 | ..... | ..... | 98 | 30 | ..... | ..... | ..... | 0.14 | ..... | 0.05 | 0.0 | 2 | 20 | 8 | 2 | s. | Dr. S. S. Hackwell. |
| Calumet | Houghton | 1,246 | 22 | 64.2 | + 4.6 | 92 | 29† | 33 | 2† | 27 | 0.37 | − 2.89 | 0.18 | T. | 4 | 24 | 5 | 1 | w. | E. S. Grierson. |
| Chatham | Alger | 875 | 9 | 60.0 | ..... | 95 | 30 | 30 | 3† | 42 | 1.93 | ..... | 1.16 | 0.2 | 5 | 17 | 8 | 5 | n. | U. P. Experiment Station |
| Deer Park | Luce | 610 | 9 | 57.4 | ..... | 92 | 16 | 36 | 2† | 39 | 1.75 | ..... | 0.60 | 0.0 | 5 | 12 | 1 | 17 | w. | Mrs. Sara E. McGaw. |
| Detour | Chippewa | 585 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Dr. F. E. Cameron. |
| Eagle Harbor | Keweenaw | 622 | 11 | 57.9 | + 3.1 | 94 | 30 | 31 | 3 | 36 | 0.24 | − 2.97 | 0.14 | 0.0 | 2 | 11 | 4 | 15 | w. | John Nolen. |
| Escanaba | Delta | 612 | 37 | 63.4 | + 2.8 | 94 | 30 | 36 | 2 | 27 | 1.06 | − 2.54 | 0.45 | 0.0 | 7 | 17 | 9 | 4 | s. | U. S. Weather Bureau. |
| Ewen | Ontonagon | 1,147 | 9 | 61.6 | ..... | 95 | 29† | 27 | 3 | 50 | 0.75 | ..... | 0.45 | T. | 3 | 19a | 0a | 4a | nw. | W. B. Hatfield. |
| Grand Marais | Alger | 610 | 9 | 54.2 | ..... | 76 | 25 | 32 | 1 | 24 | 0.60 | ..... | 0.20 | 0.0 | 4 | 23 | 1 | 6 | w. | Mrs. Lena Truedell. |
| Houghton | Houghton | 668 | 9 | 65.0 | + 5.5 | 95 | 29 | 34 | 3 | 35 | 0.39 | − 3.10 | 0.26 | 0.0 | 6 | 13 | 10 | 7 | w. | U. S. Weather Bureau. |
| Humboldt | Marquette | 1,536 | 13 | 62.4 | + 5.3 | 96 | 28 | 29 | 3 | 50 | T. | − 3.18 | T. | T. | 0 | 22 | 6 | 2 | w. | D., S. S. & A. Ry. |
| Iron Mountain | Dickinson | 1,111 | 9 | ..... | ..... | 99i | 30 | 35i | 2† | 37i | 0.71 | ..... | 0.71a | 0.0 | 1 | 14a | 7a | 1a | ne. | Chapin Mining Co. |
| Iron River | Iron | 1,504 | 13 | 63.8 | ..... | 98 | 29 | 30 | 3 | 45 | 1.20 | ..... | 0.60 | 0.0 | 4 | 22 | 6 | 2 | w. | Victor D. Laing. |
| Ironwood | Gogebic | 1,520 | 7 | 65.8 | ..... | 95 | 29 | 31 | 3 | 27 | 0.10 | ..... | 0.05 | T. | 4 | 25 | 3 | 2 | n. | Prof. J. V. Brennan. |
| Ishpeming | Marquette | 1,536 | 10 | 64.4d | + 5.8 | 97d | 30 | 33d | 2† | 46d | 0.65 | − 2.25 | 0.30 | T. | 5 | 17 | 10 | 3 | ne. | Cliv'd. Cliffs Iron Co. |
| Isle Royale | Keweenaw | 610 | 3 | 53.4 | ..... | 75 | 29 | 37 | 3† | 30 | 1.20 | ..... | 0.80 | 0.0 | 2 | 8 | 4 | 18 | s. | John H. Malone. |
| Mackinac Island | Mackinac | 831 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | M. I. S. P. Com. |
| Maple Ridge | Delta | ..... | 4 | 62.4 | ..... | 95 | 30 | 32 | 3† | 42 | 1.81 | ..... | 1.02 | 0.0 | 5 | 23 | 3 | 4 | s. | Herman Johnson. |
| Marquette | Marquette | 734 | 39 | 62.6 | + 4.1 | 93 | 21 | 35 | 3 | 33 | 0.82 | − 2.69 | 0.56 | 0.2 | 6 | 11 | 9 | 10 | w. | U. S. Weather Bureau. |
| Menominee | Menominee | 581 | 11 | 66.2 | + 4.5 | 98 | 30 | 39 | 2 | 31 | 0.91 | − 2.49 | 0.51 | 0.0 | 2 | 25 | 4 | 1 | sw. | C. & N. W. Ry. |
| Newberry | Luce | 773 | 8 | 62.5 | ..... | 97 | 30 | 34 | 3† | 51 | 0.56 | ..... | 0.55 | 0.0 | 2 | 21 | 6 | 3 | nw. | D., S. S. & A. Ry. |
| Powers | Menominee | 868 | 11 | 66.8 | + 4.5 | 101 | 30 | 35 | 3 | 48 | T. | − 4.42 | T. | 0.0 | 0 | 14 | 14 | 2 | s. | C. & N. W. Ry. |
| St. Ignace | Mackinac | 593 | 20 | 62.5 | + 3.3 | 85 | 20† | 36 | 1 | 34 | 0.85 | − 2.30 | 0.42 | 0.0 | 3 | 18 | 7 | 5 | se. | D., S. S. & A. Ry. |
| Sault Ste. Marie | Chippewa | 614 | 22 | 60.9 | + 3.3 | 87 | 21 | 35 | 3 | 37 | 0.70 | − 2.07 | 0.28 | 0.0 | 5 | 17 | 6 | 7 | w. | U. S. Weather Bureau. |
| Thomaston | Gogebic | 1,347 | 13 | 62.0 | + 1.3 | 96 | 30 | 22 | 1 | 48 | 0.05 | − 2.48 | 0.05 | 0.0 | 1 | 15 | 12 | 3 | n. | D., S. S. & A. Ry. |
| Victoria | Ontonagon | 1,263 | .... | 67.5 | ..... | 96 | 30 | 30 | 3 | 36 | 0.59 | ..... | 0.23 | T. | 6 | 22 | 5 | 3 | n. | R. S. Schultz, jr. |
| Watersmeet | Gogebic | ..... | 1 | 63.6 | ..... | 97 | 29† | 26 | 3 | 50 | 0.42 | ..... | 0.29 | 0.0 | 4 | 11 | 13 | 6 | n. | B. N. Grant. |
| Wetmore | Alger | 878 | 13 | 60.6 | + 3.2 | 95 | 30 | 31 | 3† | 50 | 1.05 | − 1.47 | 0.50 | 0.0 | 3 | 24e | 0e | 5e | n. | D., S. S. & A. Ry. |
| Whitefish Point | Chippewa | 610 | 20 | 54.6 | + 1.5 | 79 | 22† | 35 | 1† | 30 | 1.30 | − 1.27 | 0.49 | 0.0 | 5 | 16 | 0 | 14 | nw. | Robert Carlson. |
| *Michigan—Lower Peninsula.* | | | | | | | | | | | | | | | | | | | | |
| Adrian | Lenawee | 770 | 32 | 67.8 | + 0.1 | 99 | 23† | 36 | 2 | 40 | 1.65 | − 2.75 | 0.69 | 0.0 | 7 | 7 | 16 | 7 | w. | B. F. Gibbs. |
| Agricultural College | Ingham | 820 | 46 | 64.9 | − 2.5 | 95 | 30 | 37 | 2 | 35 | 1.95 | − 1.94 | 0.76 | 0.0 | 6 | 17 | 7 | 6 | nw. | Prof. A. J. Patten. |
| Allegan | Allegan | 698 | 19 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Pere Marquette R. R. |
| Alma | Gratiot | 750 | 23 | 64.2 | − 2.0 | 96 | 30 | 36 | 2 | 37 | 1.54 | − 1.58 | 0.60 | 0.0 | 7 | 14 | 11 | 5 | w. | P. M. Smith. |
| Alpena | Alpena | 609 | 37 | 62.8 | + 2.5 | 98 | 30 | 39 | 4 | 35 | 0.92 | − 2.63 | 0.55 | 0.0 | 6 | 16 | 8 | 6 | nw. | U. S. Weather Bureau. |
| Ann Arbor | Washtenaw | 930 | 30 | 65.6 | − 1.5 | 94 | 30 | 38 | 1† | 36 | 1.51 | − 1.97 | 0.87 | 0.0 | 8 | 17 | 6 | 7 | nw. | University of Michigan. |
| Arbela | Tuscola | 728 | 14 | 64.5 | − 1.2 | 95 | 23† | 34 | 4 | 35 | 1.65 | − 1.68 | 0.58 | 0.0 | 6 | 13 | 11 | 6 | sw. | Wm. Atkin. |
| Battle Creek | Calhoun | 822 | 26 | 66.0 | − 2.5 | 96 | 23† | 35 | 2 | 36 | 1.03 | − 2.80 | 0.37 | 0.0 | 6 | 20 | 4 | 6 | nw. | Elmer E. Sager. |
| Bay City | Bay | 593 | 14 | 65.8 | − 0.3 | 100 | 30 | 37 | 1 | 37 | 2.70 | + 0.14 | 0.90 | 0.0 | 7 | 23 | 5 | 5 | nw. | Pere Marquette R. R. |
| Benzonia | Benzie | 832 | 14 | 64.4 | + 1.9 | 93 | 30 | 37 | 1 | 39 | 0.40 | − 1.99 | 0.13 | 0.0 | 4 | 22 | 4 | 4 | nw. | Martin S. Joiner. |
| Berlin | St. Clair | ..... | 21 | 64.0 | − 1.8 | 96 | 30 | 30 | 4 | 42 | 1.82 | − 1.57 | 0.68 | 0.0 | 6 | 10 | 13 | 6 | ne. | R. O. Gould. |
| Big Rapids | Mecosta | 906 | 14 | 63.4 | − 0.5 | 95 | 30 | 33 | 2 | 41 | 1.22 | − 1.40 | 0.31 | 0.0 | 6 | 22 | 4 | 4 | w. | Charles Gay. |
| Bloomingdale | Van Buren | ..... | 6 | 65.6 | ..... | 94 | 23† | 38 | 2 | 38 | 1.38 | ..... | 0.62 | 0.0 | 6 | 23 | 5 | 2 | nw. | John M. Haven. |
| Cadillac | Wexford | 1,293 | 1 | 64.0f | ..... | 95f | 23 | 35f | 1† | 38f | 1.06 | ..... | 0.40 | 0.0 | 5 | 16b | 6b | 8b | nw. | A. J. Teed. |
| Cassopolis | Cass | 903 | 9 | 66.9 | ..... | 94 | 22 | 36 | 3 | 39 | 1.36 | ..... | 0.65 | 0.0 | 4 | 26 | 0 | 4 | nw. | Michigan Central R. R. |
| Charlevoix | Charlevoix | 610 | 23 | 63.1 | + 1.0 | 92 | 30 | 36 | 1 | 32 | 1.27 | − 1.34 | 0.56 | 0.0 | 4 | 22 | 4 | 4 | nw. | Pere Marquette R. R. |
| Charlotte | Eaton | ..... | 6 | 64.1 | ..... | 95 | 30 | 34 | 2 | 39 | 1.25 | ..... | 0.61 | 0.0 | 7 | 18 | 4 | 8 | nw. | City of Charlotte. |

TABLE 1.—*Climatological data for June, 1910. District No. 4*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Michigan—Lower Peninsula*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Cheboygan | Cheboygan | 611 | 20 | 62.0 | + 0.3 | 96 | 30 | 32 | 6 | 41 | 1.09 | − 1.87 | 0.40 | 0.0 | 4 | 19 | 9 | 2 | sw. | E. A. Bouchard. |
| Clinton | Lenawee | 830 | 20 | 66.2 | − 1.9 | 98 | 23 | 39 | 1 | 40 | 0.94 | − 2.08 | 0.36 | 0.0 | 5 | 12 | 11 | 7 | nw. | David Woodward. |
| Coldwater | Branch | 984 | 13 | 66.5 | + 0.5 | 96 | 30 | 35 | 2 | 38 | 1.65 | − 2.08 | 0.55 | 0.0 | 7 | 19 | 6 | 4 | nw. | Lake Shore & Mich. So. Ry |
| Concord | Jackson | ..... | 5 | 65.8 | ..... | 99 | 30 | 36 | 2 | 44 | 1.89 | ..... | 1.15 | 0.0 | 6 | 17 | 8 | 4 | nw. | Dr. W. N. Armstrong. |
| Croton | Newago | 685 | 2 | 65.2 | ..... | 97 | 30 | 36 | 2 | 39 | 1.22 | ..... | 0.32 | 0.0 | 7 | 14 | 14 | 2 | nw. | G. R.-Mus. Power Co. |
| Detroit | Wayne | 730 | 39 | 66.5 | − 1.3 | 95 | 30 | 39 | 1 | 28 | 1.47 | − 2.42 | 0.69 | 0.0 | 9 | 13 | 11 | 6 | e. | U. S. Weather Bureau. |
| Durand | Shiawassee | 799 | 3 | 67.0 | ..... | 98 | 30 | 37 | 1 | 40 | 1.54 | ..... | 0.41 | 0.0 | 8 | 17 | 6 | 6 | ne | Grand Trunk Ry. |
| East Tawas | Ioseo | 590 | 13 | 62.4 | + 0.4 | 91 | 30 | 36 | 1 | 32 | 1.50 | − 1.20 | 0.40 | 0.0 | 6 | 24 | 3 | 3 | w. | Detroit & Mackinac Ry. |
| Eloise | Wayne | 640 | 13 | 66.2 | − 0.3 | 96 | 30 | 35 | 1 | 39 | 1.25 | − 1.76 | 0.59 | 0.0 | 8 | 19 | 7 | 4 | nw. | John Gilmore. |
| Flint | Genesee | 730 | 21 | 64.1 | − 1.6 | 92[a] | 24 | 34 | 1† | 31 | 1.63 | − 1.27 | 0.50 | 0.0 | 9 | 18 | 7 | 5 | w. | Wm. L. Fisher. |
| Frankfort | Benzie | 589 | 6 | ..... | ..... | ..... | ..... | 37 | 1 | ..... | 0.66 | ..... | 0.25 | 0.0 | 5 | 20 | 0 | 10 | n. | Capt. Geo. Morency. |
| Ganges | Allegan | 665 | 1 | 64.8 | ..... | 88 | 21 | 38 | 2 | 29 | 1.25 | ..... | 0.74 | 0.0 | 6 | 26 | 4 | 0 | nw. | H. H. Hutchins. |
| Gaylord | Otsego | 1,367 | 5 | 65.0 | ..... | 94 | 26 | 35 | 1 | 30 | 0.30 | ..... | 0.17 | 0.0 | 3 | 22 | 0 | 8 | sw. | Michigan Central R. R. |
| Gladwin | Gladwin | 794 | 14 | 66.6 | + 1.2 | 101 | 30 | 36 | 1 | 45 | 0.80 | − 1.81 | 0.70 | 0.0 | 2 | 27 | 0 | 3 | s. | Geo. R. Smith. |
| Grand Haven | Ottawa | 628 | 29 | 63.6 | − 1.1 | 90 | 21 | 39 | 2 | 29 | 1.23 | − 1.28 | 0.67 | 0.0 | 6 | 15 | 11 | 4 | w. | U. S. Weather Bureau. |
| Grand Rapids | Kent | 707 | 21 | 65.9 | − 1.2 | 97 | 30 | 37 | 2 | 31 | 1.04 | − 1.48 | 0.46 | 0.0 | 4 | 13 | 8 | 9 | w. | Do |
| Grape | Monroe | 625 | 20 | 64.2 | − 3.8 | 95[c] | 23 | 39[d] | 1† | 38[c] | 0.94 | − 2.67 | 0.32 | 0.0 | 6 | 15[c] | 6[c] | 8[c] | w. | Joseph W. Morris. |
| Grass Lake | Jackson | 989 | 4 | 64.4 | ..... | 94 | 30 | 38 | 1 | 37 | 1.51 | ..... | 0.90 | 0.0 | 6 | 20 | 2 | 8 | nw. | Menzo Conklin. |
| Grayling | Crawford | 1,147 | 21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Dr. Oscar Palmer. |
| Harbor Beach | Huron | 635 | 22 | 60.2 | − 2.0 | 91 | 22 | 32 | 4 | 39 | 1.95 | − 1.81 | 0.95 | 0.0 | 8 | 20 | 3 | 7 | ne. | Pere Marquette R. R. |
| Harrison | Clare | 1,159 | 17 | 66.2 | + 2.2 | 101 | 30 | 34 | 2 | 39 | ..... | ..... | ..... | 0.0 | .. | 21 | 2 | 7 | nw. | Do. |
| Harrisville | Alcona | 616 | 26 | 60.4 | − 0.5 | 91 | 22 | 35 | 4 | 35 | 2.50 | − 0.93 | 1.91 | 0.0 | 4 | 19 | 6 | 5 | sw. | Dr. D. W. Mitchell. |
| Hart | Oceana | 698 | 18 | ..... | ..... | ..... | ..... | 38 | 2 | .. | 0.62 | − 1.69 | 0.32 | 0.0 | 3 | 15 | 8 | 5 | s. | Pere Marquette R. R |
| Hayes | Huron | 620 | 20 | 63.4[a] | − 1.6 | 93[c] | 29 | 35[a] | 4 | 37[c] | 2.69 | + 0.42 | 0.89 | 0.0 | 7 | 16[c] | 4[c] | 7[c] | ..... | C. F. Leipprandt. |
| Highland | Oakland | 830 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.59 | − 2.13 | 0.95 | 0.0 | 4 | ..... | ..... | ..... | ..... | A. D. De Garmo. |
| Hillsdale | Hillsdale | 1,150 | 13 | 65.3 | − 0.6 | 96 | 30 | 36 | 2 | 38 | 1.06 | − 2.55 | 0.46 | 0.0 | 6 | 20 | 4 | 6 | nw. | Prof. C. L. Herron. |
| Holland | Ottawa | 610 | 4 | 63.4 | ..... | 91 | 30 | 35 | 2 | 34 | 0.79 | ..... | 0.58 | 0.0 | 5 | 22 | 7 | 1 | nw. | City of Holland. |
| Howell | Livingston | 924 | 18 | 64.9[b] | − 1.9 | 94[f] | 28 | 37[i] | 1 | 45[i] | 2.40 | − 0.38 | 1.60 | 0.0 | 4 | 8[m] | 7[m] | 2[m] | sw. | Frank Sharp. |
| Ivan | Kalkaska | ..... | 21 | 64.5 | + 0.1 | 99 | 30 | 33 | 1 | 46 | 0.79 | − 2.11 | 0.34 | 0.0 | 5 | 19 | 7 | 4 | nw. | O. L. Giddings. |
| Jackson | Jackson | 927 | 13 | 65.0 | − 2.1 | 96 | 30 | 37 | 2 | 38 | 2.07 | − 1.44 | 1.20 | 0.0 | 8 | 18 | 7 | 5 | nw. | Michigan Central R. R. |
| Jeddo | St. Clair | 667 | 21 | 63.4 | − 1.8 | 94 | 30 | 34 | 4 | 36 | 1.26 | − 1.66 | 0.26 | 0.0 | 9 | 13 | 2 | 14 | ne. | William Bice. |
| Kalamazoo | Kalamazoo | 955 | 34 | 66.8 | − 1.2 | 92 | 30 | 38 | 1† | 31 | 1.39 | − 2.68 | 0.72 | 0.0 | 3 | 20 | 6 | 4 | w. | Kalamazoo Asylum. |
| Lansing | Ingham | 881 | 23 | 65.6 | − 1.5 | 95 | 30 | 37 | 2 | 33 | 1.48 | − 2.02 | 0.52 | 0.0 | 6 | 19 | 4 | 7 | nw. | State Board of Health. |
| Lapeer | Lapeer | 827 | 11 | 65.6 | + 0.4 | 95 | 30 | 36 | 4 | 37 | 2.27 | − 0.67 | 0.94 | 0.0 | 7 | 15 | 12 | 3 | w. | Michigan Home. |
| Ludington | Mason | 586 | 12 | 64.4 | + 3.0 | 92 | 30 | 33 | 2 | 36 | 1.08 | − 1.19 | 0.45 | 0.0 | 3 | 20 | 4 | 2 | sw. | Pere Marquette R. R. |
| Luther | Lake | 1,028 | .... | 64.0 | ..... | 99 | 30 | 32 | 7 | 42 | 1.14 | ..... | 0.39 | 0.0 | 6 | 22 | 3 | 5 | w. | John W. Nichoson. |
| Mackinaw | Cheboygan | 592 | 14 | 61.2 | + 1.4 | 94 | 30 | 31 | 5 | 33 | 0.62 | − 2.68 | 0.31 | 0.0 | 3 | 18 | 3 | 9 | w. | Grand Rapids & Ind. R. |
| Mancelona | Antrim | 1,121 | 14 | 63.8 | + 1.0 | 98 | 30 | 28 | 3 | 41 | 0.27 | − 2.64 | 0.10 | 0.0 | 5 | 25 | 1 | 4 | se. | Do. |
| Manistee | Manistee | 600 | 13 | 65.2 | + 2.7 | 88 | 30 | 39 | 2 | 27 | 0.73 | − 2.59 | 0.35 | 0.0 | 3 | 18 | 4 | 2 | sw. | Pere Marquette R. R. |
| Midland | Midland | 604 | 11 | 67.6 | + 1.9 | 100 | 30 | 33 | 1 | 46 | 0.25 | − 2.24 | 0.10 | 0.0 | 5 | 21 | 5 | 4 | sw. | Do. |
| Montague | Muskegon | 660 | 7 | 62.7 | ..... | 92 | 21† | 34 | 2 | 32 | 0.88 | ..... | 0.35 | 0.0 | 3 | 19 | 8 | 3 | nw. | Gerard A. Whitbeck. |
| Morenci | Lenawee | 811 | 3 | 65.2 | ..... | 94 | 23 | 35 | 2 | 36 | 1.68 | ..... | 0.67 | 0.0 | 6 | 14 | 7 | 9 | w. | George J. Tripp. |
| Mount Clemens | Macomb | 615 | 10 | ..... | ..... | 93 | 18 | ..... | ..... | ..... | 0.90 | − 2.35 | 0.35 | 0.0 | 6 | 15 | 13 | 2 | se. | Herman Orbits. |
| Mount Pleasant | Isabella | 826 | 11 | ..... | ..... | ..... | ..... | 35 | 2 | ..... | 0.68 | − 2.26 | 0.27 | 0.0 | 4 | 24 | 3 | 3 | sw. | Pere Marquette R. R. |
| Muskegon | Muskegon | 587 | 14 | 64.2 | − 0.8 | 90 | 30 | 39 | 2 | 28 | 0.85 | − 1.89 | 0.65 | 0.0 | 2 | 25 | 1 | 4 | w. | Grand Rapids & Ind. Ry. |
| Old Mission | Grand Traverse | 848 | 16 | 63.8 | + 0.4 | 98 | 30 | 34 | 1 | 36 | 0.78 | − 1.84 | 0.41 | 0.0 | 3 | 14[a] | 12[a] | 3[a] | ne. | E. O. Ladd. |
| Olivet | Eaton | 934 | 20 | 64.4 | − 1.9 | 93 | 30 | 36 | 1 | 37 | 3.10 | − 1.02 | 0.80 | 0.0 | 9 | 21 | 3 | 6 | nw. | Prof. G. A. Knapp. |
| Omer | Arenac | 616 | 11 | 62.2 | − 0.6 | 96 | 30 | 35 | 1 | 46 | 0.70 | − 0.95 | 0.70 | 0.0 | 1 | 16 | 11 | 3 | w. | Detroit & Mackinac Ry. |
| Onaway | Presque Isle | 826 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Do. |
| Ovid | Clinton | 760 | 20 | 65.3 | − 1.6 | 96[a] | 23 | 36 | 1† | 37[a] | 2.54 | − 0.82 | 0.78 | 0.0 | 10 | 17 | 6 | 7 | w. | Geo. B. Faxon. |
| Owosso | Shiawassee | 731 | 13 | 65 4 | − 1.2 | 96 | 30 | 38 | 1 | 38 | 0.80 | − 2.07 | 0.18 | 0.0 | 8 | 13 | 13 | 4 | nw. | Owosso Sugar Co. |
| Petoskey | Emmet | 660 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Grand Rapids & Ind. Ry. |
| Plymouth | Wayne | 725 | 13 | 67.2 | − 0.3 | 97 | 30 | 39 | 1 | 45 | 2.31 | − 1.01 | 0.80 | 0.0 | 6 | 18 | 8 | 4 | sw. | Pere Marquette R. R. |
| Pontiac | Oakland | 935 | 10 | 66.4 | − 1.1 | 96 | 30 | 37 | 4 | 36 | 1.77 | − 0.99 | 0.82 | 0[o]0 | 8 | 21 | 3 | 6 | w. | Fred W. Shaw. |
| Port Austin | Huron | 618 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Pere Marquette R. R. |
| Port Huron | St. Clair | 639 | 35 | 62.6 | − 1.2 | 93 | 30 | 37 | 1 | 36 | 1.10 | − 2.14 | 0.38 | 0.0 | 10 | 13 | 5 | 12 | ne. | U. S. Weather Bureau. |
| Reed City | Osceola | 1,033 | 14 | ..... | ..... | ..... | ..... | 35 | 1 | .. | 0.55 | − 2.26 | 0.20 | 0.0 | 3 | 16 | 12 | 2 | w. | Pere Marquette R. R. |
| Roscommon | Roscommon | 1,141 | 6 | 64.3 | ..... | 98 | 30† | 33 | 8 | 47 | 0.75 | ..... | 0.30 | 0.0 | 3 | 23 | 2 | 5 | w. | William Marsh. |
| Saginaw | Saginaw | 601 | 8 | 67.2 | ..... | 98 | 30 | 39 | 1 | 36 | 1.34 | ..... | 0.40 | 0.0 | 7 | 18 | 10 | 2 | sw. | Postmaster. |
| Saginaw, W. S. | ....do | 601 | 15 | 66.2 | − 1.1 | 98 | 30 | 38 | 1† | 37 | 1.75 | − 1.10 | 0.45 | 0.0 | 9 | 14 | 13 | 3 | ne. | Robert B. Hudson. |
| St. James | Charlevoix | 681 | 4 | 62.6 | ..... | 91 | 30 | 30 | 3 | 36 | 0.86 | ..... | 0.51 | 0.0 | 3 | 18 | 6 | 6 | sw. | Rev. N. Wilhelm. |
| St. Johns | Clinton | 779 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | City of St. Johns. |
| St. Joseph | Berrien | 593 | 23 | 65.4 | + .01 | 90 | 21 | 39 | 2 | 27 | 0.78 | − 2.33 | 0.38 | 0.0 | 4 | 18 | 8 | 4 | nw. | City of St. Joseph. |
| Sandusky | Sanilac | 790 | 1 | 62.2 | ..... | 95 | 30 | 31 | 4 | 41 | 1.86 | ..... | 0.85 | 0.0 | 7 | 21 | 5 | 4 | ne. | Pere Marquette R. R. |
| Saranac | Ionia | 639 | 15 | 65.4 | − 2.0 | 100 | 30 | 34 | 2 | 44 | 1.17 | − 2.69 | 0.38 | 0.0 | 4 | 17 | 3 | 10 | nw. | John Wallington. |
| South Haven | Van Buren | 585 | 14 | 63.3 | − 0.6 | 88 | 22 | 35 | 1 | 28 | 1.20 | − 1.08 | 0.40 | 0.0 | 4 | 22 | 4 | 4 | ne. | Mrs. M. E. De Diemar. |
| Stanton | Montcalm | 880 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | City of Stanton. |
| Thornville | Lapeer | 975 | 33 | 62.6 | − 5.2 | 90 | 23† | 36 | 1† | 35 | 3.49 | + 0.04 | 0.60 | 0.0 | 9 | 13 | 11 | 6 | ne. | Dr. J. S. Caulkins. |
| Traverse City | Grand Traverse | 588 | 13 | 64.1 | + 1.2 | 91 | 30 | 34 | 1 | 32 | ..... | ..... | ..... | 0.0 | .. | 24 | 2 | 4 | s. | Grand Rapids & Ind. Ry. |
| Vassar | Tuscola | 641 | 9 | 65.7 | ..... | 95 | 23† | 36 | 4 | 44 | 0.37 | ..... | 0.26 | 0.0 | 2 | 17 | 9 | 4 | nw. | Pere Marquette R. R. |
| Wasepi | St. Joseph | 842 | 13 | 64.8 | − 1.0 | 95 | 30 | 36 | 2 | 38 | 1.14 | − 2.80 | 0.50 | 0.0 | 6 | 25 | 1 | 4 | sw. | Chas. A. Palmer. |
| Webberville | Ingham | 884 | 8 | 64.2 | ..... | 95 | 30 | 37 | 1† | 37 | 1.95 | ..... | 0.80 | 0.0 | 7 | 21 | 5 | 4 | w. | I. R. Wadsworth. |
| West Branch | Ogemaw | 973 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.56 | ..... | 0.26 | 0.0 | 3 | 18 | 7 | 5 | s. | Michigan Central R. R. |
| Woodlawn | Montmorency | ..... | 8 | 61.4 | ..... | 94 | 30 | 35 | 1† | 44 | 2.50 | ..... | 1.12 | 0.0 | 7 | 21 | 3 | 6 | w. | T. C. Mathews. |
| Ypsilanti | Washtenaw | 736 | 25 | 65.1 | − 1.3 | 94 | 30 | 38 | 4 | 36 | 1.50 | − 2.61 | 0.42 | 0.0 | 7 | 7 | 21 | 2 | nw. | Orin J. Bemiss. |
| *Ohio.* | | | | | | | | | | | | | | | | | | | | |
| Akron | Summit | 1,081 | 23 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Prof. C. R. Olin. |
| Benton Ridge | Hancock | 800 | 17 | 66.2 | − 3.4 | 95 | 23 | 38 | 2 | 37 | 1.03 | − 2.62 | 0.30 | 0.0 | 8 | 14 | 9 | 7 | nw. | J. W. Powell. |
| Bowling Green | Wood | 670 | 30 | 65.8 | − 2.2 | 95 | 23 | 38 | 2 | 38 | 2.19 | − 1.65 | 1.25 | 0.0 | 5 | 16 | 7 | 7 | nw. | G. C. Housekeeper. |
| Bucyrus | Crawford | 1,000 | 15 | 65.0 | − 3.8 | 92 | 23 | 34 | 2 | 39 | 2.69 | − 0.95 | 1.25 | 0.0 | 8 | 13 | 10 | 7 | sw. | James R. Hopley. |
| Cleveland (1) | Cuyahoga | 762 | 39 | 63.6 | − 4.3 | 84 | 23 | 41 | 1 | 22 | 2.01 | − 1.67 | 0.77 | 0.0 | 9 | 15 | 6 | 9 | w. | U. S. Weather Bureau. |
| Cleveland (2)‖ | ....do | 754 | 13 | 64.4 | − 2.8 | 86 | 18† | 41 | 1 | 24 | 1.98 | − 1.06 | 0.69 | 0.0 | 7 | 17 | 3 | 10 | nw. | Rev. F. L. Odenbach, S. J. |
| Defiance | Defiance | 712 | 16 | 65.0 | − 3.4 | 94 | 20† | 35 | 2 | 41 | 2.57 | − 1.09 | 1.18 | 0.0 | 9 | 19 | 4 | 7 | sw. | John F. Heilshorn. |
| Findlay | Hancock | 776 | 21 | 66.3 | − 3.6 | 97 | 23 | 35 | 2 | 41 | 1.23 | − 2.68 | 0.55 | 0.0 | 7 | 22 | 5 | 3 | sw. | Dr. E. A. Moser. |
| Fremont‖ | Sandusky | 628 | 9 | 65.8 | ..... | 94 | 23 | 39 | 2† | 36 | 2.19 | ..... | 0.72 | 0.0 | 6 | 21 | 3 | 6 | sw. | E. Stanley Thomas. |
| Hedges | Paulding | 725 | 16 | 66.2 | − 2.2 | 94 | 23 | 34 | 2 | 41 | 1.62 | − 1.78 | 0.70 | 0.0 | 4 | 20 | 6 | 4 | w. | Charles Stutsman. |
| Hillhouse | Lake | 997 | 18 | 62.4 | − 2.8 | 87 | 23† | 34 | 4 | 33 | 2.57 | − 1.04 | 0.76 | 0.0 | 9 | 16 | 10 | 4 | w. | J. W. Doncaster. |
| Hiram | Portage | 1,260 | 26 | 64.2 | − 2.8 | 88 | 23† | 37 | 1† | 29 | 1.67 | − 2.30 | 0.84 | 0.0 | 7 | 16 | 6 | 8 | sw. | Prof. G. H. Colton. |
| Hudson | Summit | 1,153 | 49 | 63.8 | − 3.7 | 93 | 26 | 39 | 1† | 37 | 2.10 | − 1.67 | 0.95 | 0.0 | 8 | 20 | 5 | 5 | w. | Dr. W. I. Chamberlain. |
| Lima | Allen | 875 | 11 | 66.2 | − 1.6 | 93 | 23 | 36 | 2 | 32 | 2.53 | − 1.79 | 0.78 | 0.0 | 6 | 20 | 4 | 6 | w. | Miss Ollie De Long. |
| Medina | Medina | 944 | 22 | 63.6 | − 4.0 | 93 | 23 | 34 | 4 | 41 | 1.91 | − 1.33 | 0.70 | 0.0 | 8 | 16 | 7 | 7 | nw. | F. W. Clark. |
| Montpelier | Williams | 880 | 18 | 66.6 | − 1.3 | 96 | 23 | 34 | 2 | 42 | 1.42 | − 2.41 | 0.60 | 0.0 | 4 | 22 | 2 | 6 | n. | G. L. Laser. |
| Napoleon | Henry | 680 | 24 | 66.4 | − 2.1 | 95 | 23 | 38 | 2 | 36 | 2.25 | − 1.53 | 1.42 | 0.0 | 6 | 20 | 4 | 6 | e. | A. C. Senter. |
| New Bremen | Auglaize | 1,038 | 17 | 66.2 | − 3.2 | 94 | 23 | 39 | 2 | 36 | 2.44 | − 0.92 | 0.93 | 0.0 | 7 | 12 | 11 | 7 | se. | Miss Lillian Grothaus. |
| North Royalton | Cuyahoga | 1,000 | 18 | 64.1 | − 3.5 | 90 | 26 | 38 | 1† | 33 | 2.36 | − 1.13 | 1.02 | 0.0 | 7 | 20 | 6 | 4 | w. | W. S. Edgerton. |
| Norwalk | Huron | 719 | 24 | 64.2 | − 4.0 | 93 | 23 | 35 | 4 | 39 | 2.11 | − 1.25 | 0.57 | 0.0 | 7 | 19 | 1 | 10 | s. | Dr. Albert Sheldon. |

TABLE 1.—*Climatological data for June, 1910. District No. 4*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Ohio*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Oberlin | Lorain | 855 | 35 | 64.6 | − 3.3 | 90 | 23 | 33 | 4 | 35 | 1.69 | − 1.93 | 0.65 | 0.0 | 9 | 16 | 5 | 9 | nw. | Prof. F. F. Jewett. |
| Ottawa | Putnam | 720 | 18 | 66.0 | − 3.3 | 95 | 23 | 36 | 2 | 37 | 1.25 | − 2.04 | 0.53 | 0.0 | 9 | 2 | 24 | 4 | w. | Prof. J. T. Maidlow. |
| Rome | Ashtabula | 894 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | G. H. Crosby. |
| Sandusky | Erie | 629 | 33 | 65.9 | − 2.9 | 90 | 18 | 41 | 1 | 25 | 1.74 | − 2.08 | 0.57 | 0.0 | 6 | 16 | 4 | 10 | w. | U. S. Weather Bureau. |
| Tiffin | Seneca | 775 | 28 | 65.8 | − 3.7 | 91 | 23 | 40 | 4 | 33 | 2.39 | − 1.54 | 0.75 | 0.0 | 8 | 19 | 8 | 3 | w. | Prof. T. H. Sonnedecker. |
| Toledo (1) | Lucas | 769 | 39 | 67.5 | − 1.9 | 95 | 30 | 40 | 2 | 28 | 0.97 | − 2.41 | 0.39 | 0.0 | 8 | 18 | 5 | 7 | nw. | U. S. Weather Bureau. |
| Toledo (2)§ | ....do | 606 | 6 | 66.5 | ..... | 95 | 30 | 40 | 1† | 31 | 1.27 | ..... | 0.43 | 0.0 | 12 | 18 | 4 | 8 | ne. | J. A. Krance, S. J. |
| Upper Sandusky | Wyandot | 854 | 27 | 66.2 | − 3.5 | 94 | 23† | 41 | 2 | 38 | 1.95 | − 2.28 | 0.45 | 0.0 | 9 | 15 | 4 | 11 | w. | Prof. R. J. Kiefer. |
| Vickery | Sandusky | 588 | 17 | 64.8 | − 3.5 | 93 | 18† | 36 | 4 | 38 | 2.51 | − 0.82 | 0.83 | 0.0 | 9 | 13 | 8 | 9 | w.. | John W. Barr. |
| Wauseon | Fulton | 780 | 38 | 65.6 | − 3.0 | 96 | 23 | 36 | 2 | 38 | 1.69 | − 2.30 | 0.77 | 0.0 | 11 | 12 | 14 | 4 | nw. | Thomas Mikesell. |
| Wellington | Lorain | 856 | 16 | 65.0[a] | − 3.5 | 94 | 23 | 34 | 4 | 39 | 2.47 | − 0.72 | 1.02 | 0.0 | 10 | 20 | 0 | 10 | w. | W. D. Warren. |
| Willoughby | Lake | 649 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.56 | − 0.30 | 0.62 | 0.0 | 9 | 8 | 13 | 9 | w. | C. J. Richardson. |
| *Pennsylvania.* | | | | | | | | | | | | | | | | | | | | |
| Erie | Erie | 713 | 37 | 63.6 | − 2.8 | 83 | 23 | 42 | 1 | 18 | 2.01 | − 1.63 | 0.46 | 0.0 | 7 | 8 | 12 | 10 | w. | U. S. Weather Bureau. |
| *New York.* | | | | | | | | | | | | | | | | | | | | |
| Adams Center | Jefferson | 540 | 19 | 64.3 | − 1.2 | 86 | 21 | 38 | 4 | 28 | 2.46 | − 1.40 | 0.63 | 0.0 | 14 | 16 | 8 | 6 | s. | A. E. Cooley |
| Angelica | Allegany | 1,340 | 27 | 59.8 | − 4.4 | 87 | 22 | 30 | 4 | 41 | 0.42 | − 3.80 | 0.11 | 0.0 | 8 | 7 | 13 | 10 | w. | Charles P. Arnold. |
| Appleton | Niagara | 270 | 19 | 63.2 | − 1.3 | 90 | 22 | 39 | 4 | 32 | 0.92 | − 1.75 | 0.38 | 0.0 | 6 | 16 | 8 | 6 | nw. | H. A. Van Wagoner. |
| Auburn | Cayuga | 715 | 41 | 63.6 | − 2.4 | 90 | 22 | 38 | 4† | 30 | 1.81 | − 2.29 | 0.58 | 0.0 | 5 | 24 | 5 | 1 | n. | A. H. Underwood. |
| Avon | Livingston | 585 | 15 | 63.2 | − 2.2 | 87 | 22 | 35 | 4 | 31 | 2.20 | − 1.02 | 1.12 | 0.0 | 7 | 19 | 3 | 8 | ..... | W. G. Markham. |
| Benson Mines | St. Lawrence | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | R. C. Folger. |
| Blue Mountain Lake | Hamilton | 1,750 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.74 | − 1.97 | 0.97 | 0.0 | 6 | 22 | 4 | 4 | w. | B. F. Merwin. |
| Brockport | Monroe | 537 | 14 | 64.9 | − 1.3 | 89 | 22 | 38 | 4 | 34 | 1.65 | − 1.42 | 0.51 | 0.0 | 8 | 14 | 11 | 5 | w. | W. H. Lennon. |
| Buffalo | Erie | 767 | 59 | 62.8 | − 2.3 | 87 | 26 | 41 | 4 | 25 | 1.05 | − 2.09 | 0.44 | 0.0 | 8 | 14 | 7 | 9 | sw. | U. S. Weather Bureau. |
| Canton | St. Lawrence | 448 | 16 | 62.4 | − 3.4 | 85 | 20 | 32 | 4 | 31 | 1.98 | − 1.35 | 0.71 | 0.0 | 9 | 13 | 11 | 6 | sw. | Do. |
| Cape Vincent | Jefferson | 246 | 5 | 61.4 | ..... | 80 | 16‡ | 35 | 3 | 25 | 1.34 | ..... | 0.42 | 0.0 | 8 | 14 | 12 | 4 | sw. | Verne M. Rice. |
| Carvers Falls | Washington | 243 | 12 | 62.2 | − 1.8 | 86 | 21 | 33 | 5 | 34 | 2.10 | − 2.13 | 0.90 | 0.0 | 6 | 22 | 4 | 4 | s. | Washburn Fancher. |
| Chazy | Clinton | 151 | 10 | 64.0 | − 0.4 | 87 | 20 | 32 | 4 | 31 | 3.58 | + 0.34 | 1.25 | 0.0 | 5 | 16 | 3 | 11 | s. | W. R. North. |
| Dannemora | Clinton | 1,490 | 5 | 61.5 | ..... | 85 | 22 | 30 | 4 | 29 | 2.43 | ..... | 0.66 | 0.0 | 11 | 12 | 7 | 11 | s. | W. N. Thayer. |
| Elba | Genesee | 500 | 11 | 63.2 | − 1.4 | 86 | 22† | 34 | 4 | 34 | 1.25 | − 1.78 | 0.50 | 0.0 | 5 | 19 | 6 | 5 | sw. | Jos. S. Wilford. |
| Fayetteville | Onondaga | 530 | 9 | 64.6 | ..... | 91 | 22 | 31 | 4 | 32 | 2.00 | − 2.09 | 0.74 | 0.0 | 9 | 17 | 8 | 5 | w. | Dana H. Wells. |
| Gabriels | Franklin | 1,729 | 8 | 59.0 | ..... | 85 | 22 | 25 | 5 | 40 | 2.36 | ..... | 0.67 | 0.0 | 14 | 16 | 4 | 10 | w. | Sanatorium. |
| Harkness | Clinton | 622 | 8 | 61.9 | ..... | 86 | 22 | 32 | 4 | 29 | 2.18 | ..... | 0.47 | 0.0 | 10 | 19 | 10 | 1 | w. | J. W. Harkness. |
| Hemlock Lake | Livingston | 900 | 12 | 62.3 | − 3.9 | 85 | 22 | 34 | 4 | 34 | 1.85 | − 1.68 | 0.53 | 0.0 | 5 | 15 | 7 | 8 | nw. | D. H. Westbury. |
| Hunt | ....do | 1,521 | 11 | 64.4 | − 2.1 | 92 | 22 | 32 | 4 | 33 | 1.19 | − 2.66 | 0.54 | 0.0 | 7 | 12 | 11 | 7 | nw. | W. S. Barrager. |
| Ithaca | Tompkins | 928 | 32 | 63.8 | − 2.4 | 91 | 22 | 38 | 4 | 34 | 1.14 | − 2.74 | 0.55 | 0.0 | 9 | 11 | 7 | 12 | nw. | U. S. Weather Bureau. |
| Keene Valley | Essex | 1,000 | 12 | 61.0 | − 1.6 | 88 | 22 | 28 | 4 | 39 | 2.08 | − 1.67 | 0.34 | 0.0 | 14 | 15 | 6 | 9 | s. | E. R. Wells. |
| King Ferry | Cayuga | ..... | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.98 | − 2.89 | 0.41 | 0.0 | 7 | 19 | 4 | 7 | nw. | Lucius A. Goodyear. |
| Lake George | Warren | 350 | 13 | 64.2 | − 0.2 | 90 | 22 | 36 | 5 | 36 | 3.20 | − 0.99 | 0.95 | 0.0 | 11 | 10 | 13 | 7 | ne. | Charles Forsell. |
| Lake Placid Club | Essex | 1,864 | 2 | 55.5 | ..... | 79 | 16 | 26 | 4 | 28 | 3.17 | ..... | 1.60 | 0.0 | 14 | 14 | 14 | 2 | w. | Henry van Hoevenberg. |
| Le Roy | Genesee | 920 | 20 | 63.6 | − 2.9 | 87 | 22 | 37 | 4 | 29 | 1.48 | − 1.92 | 0.69 | 0.0 | 9 | 13 | 4 | 13 | w. | F. W. Ball. |
| Lockport | Niagara | 650 | 23 | 63.2 | − 3.3 | 88 | 22 | 36 | 4 | 29 | 1.13 | − 1.46 | 0.43 | 0.0 | 9 | 18 | 3 | 9 | sw. | J. E. Wakeman. |
| Lowville | Lewis | 900 | 43 | ..... | ..... | 86[a] | 16 | ..... | ..... | ..... | 1.73 | − 1.87 | 1.18 | 0.0 | ..... | ..... | ..... | ..... | w. | Charles J. Rice. |
| Lyndonville | Orleans | ..... | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.17 | − 1.25 | 0.52 | 0.0 | 3 | 22 | 6 | 2 | sw. | Milton St. John. |
| Moira | Franklin | 200 | 10 | 62.6 | − 1.8 | 85 | 22 | 30 | 4 | 40 | 3.00 | − 0.25 | 1.72 | 0.0 | 11 | 16 | 9 | 5 | w. | C. E. McBride. |
| Nehasane | Hamilton | 1,750 | 2 | 57.8 | ..... | 85 | 22 | 26 | 4 | 39 | 4.62 | ..... | 1.64 | 0.0 | 11 | 20 | 2 | 8 | w. | A. C. Heyburn. |
| North Lake | Herkimer | 1,822 | 9 | 59.2 | − 1.0 | 83 | 15† | 29 | 4 | 36 | 3.66 | − 1.04 | 1.25 | 0.0 | 7 | 12 | 10 | 8 | nw. | H. A. Paull. |
| Ogdensburg | St. Lawrence | 175 | 26 | 64.2 | − 0.3 | 85 | 20 | 39 | 5 | 31 | 0.98 | − 2.57 | 0.40 | 0.0 | 7 | 14 | 11 | 5 | w. | State Hospital. |
| Old Forge | Herkimer | 1,733 | 2 | 59.2 | ..... | 86 | 22 | 29 | 3 | 41 | 3.00 | ..... | 0.72 | 0.0 | 12 | 15 | 5 | 10 | w. | Stuart W. Nelson. |
| Oswego | Oswego | 335 | 40 | 62.0 | − 1.8 | 83 | 26 | 40 | 5 | 25 | 1.69 | − 1.74 | 0.89 | 0.0 | 9 | 11 | 10 | 9 | w. | U. S. Weather Bureau. |
| Otto | Cattaraugus | 1,410 | 6 | 62.6 | ..... | 86 | 25 | 35 | 4 | 33 | 1.00 | ..... | 0.29 | 0.0 | 6 | 14 | 8 | 8 | ..... | William Winke. |
| Palermo | Oswego | 460 | 51 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.59 | − 1.67 | 1.20 | 0.0 | 6 | 22 | 3 | 5 | sw. | E. B. Bartlett. |
| Perry City | Schuyler | 1,038 | 30 | 62.9 | − 2.2 | 88 | 22 | 32 | 4 | 39 | 1.34 | − 2.73 | 0.42 | 0.0 | 8 | 14 | 6 | 10 | nw. | W. H. Jeffers. |
| Philadelphia | Jefferson | 485 | 4 | 62.0 | ..... | 83 | 16 | 32 | 4 | 30 | 1.89 | ..... | 0.47 | 0.0 | 10 | 8 | 16 | 6 | w. | E. D. Babcock |
| Plattsburg | Clinton | 170 | 60 | ..... | ..... | 92‡ | 20 | 35‡ | 4 | 31‡ | 2.96 | − 0.16 | 0.82 | 0.0 | 10 | ..... | ..... | ..... | ..... | T. P. Davison. |
| Potsdam | St. Lawrence | 300 | 34 | 62.4 | − 1.9 | 83 | 28† | 41 | 3† | 41 | 1.14 | − 2.58 | 0.74 | 0.0 | 6 | 20 | 3 | 7 | sw. | Lloyd W. Weed. |
| Raquette Lake | Hamilton | ..... | 2 | 59.2 | ..... | 81 | 22 | 29 | 4 | 35 | 3.30 | ..... | 1.29 | 0.0 | 10 | 15 | 4 | 11 | nw. | R. J. Dunning. |
| Rochester | Monroe | 523 | 81 | 64.6 | − 1.5 | 89 | 22 | 43 | 1 | 31 | 1.32 | − 1.81 | 0.57 | 0.0 | 7 | 12 | 6 | 12 | w. | U. S. Weather Bureau. |
| Romulus | Seneca | 719 | 18 | 64.2 | − 2.9 | 89 | 22 | 37 | 4 | 29 | 1.02 | − 2.96 | 0.31 | 0.0 | 6 | 16 | 6 | 8 | ..... | John H. Coryell. |
| Shortsville | Ontario | 740 | 11 | 63.2 | − 2.3 | 86 | 22 | 35 | 4 | 28 | 1.52 | − 2.30 | 0.55 | 0.0 | 9 | 14 | 11 | 5 | w. | C. H. Latting. |
| Skaneateles | Onondaga | ..... | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.79 | − 2.47 | 0.67 | 0.0 | 10 | ..... | ..... | ..... | ..... | Edward Conron. |
| Syracuse | ....do | 597 | 8 | 63.8 | − 3.1 | 87 | 22 | 37 | 4 | 24 | 2.24 | − 1.65 | 1.23 | 0.0 | 10 | 9 | 10 | 11 | nw. | U. S. Weather Bureau. |
| Ticonderoga | Essex | 344 | 12 | 63.8 | − 1.4 | 90 | 30 | 34 | 5 | 32 | 2.33 | − 1.35 | 0.70 | 0.0 | 10 | 15 | 9 | 6 | s. | Eva M. De Lano. |
| Trudeau | ....do | 1,620 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Daniel Smith. |
| Tupper Lake | Franklin | 1,552 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Aaron W. Maddox. |
| Volusia | Chatauqua | 1,167 | 11 | 63.8 | + 0.1 | 92 | 26 | 36 | 4 | 35 | 2.17 | − 1.25 | 0.67 | 0.0 | 6 | 16 | 10 | 4 | w. | Benjamin Breads. |
| Watertown | Jefferson | 737 | 18 | 62.8 | − 3.6 | 84 | 16 | 33 | 4 | 37 | 2.60 | − 0.87 | 0.60 | 0.0 | 10 | 15 | 9 | 6 | s. | L. L. Allen. |
| Wedgewood | Schuyler | 1,430 | 21 | 62.8 | − 3.1 | 88 | 22 | 34 | 4 | 30 | 1.31 | − 2.83 | 0.44 | 0.0 | 10 | 16 | 7 | 7 | nw. | Orlando F. Corwin. |
| Westfield | Chatauqua | 837 | 14 | 62.0 | − 3.6 | 85 | 24 | 38 | 4 | 25 | 2.70 | − 0.95 | 0.81 | 0.0 | 7 | ..... | ..... | ..... | ..... | John R. Rogers. |
| Youngstown | Niagara | ..... | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.71 | ..... | 0.40 | 0.0 | 6 | 10 | 18 | 2 | ..... | B. V. Brookins. |
| *Vermont.* | | | | | | | | | | | | | | | | | | | | |
| Burlington | Chittendon | 404 | 3 | 61.8 | − 2.0 | 85 | 22 | 34 | 5 | 30 | 3.10 | − 0.16 | 1.29 | 0.0 | 12 | 2 | 17 | 11 | s. | U. S. Weather Bureau. |
| Cornwall | Addison | 507 | 17 | 62.4[a] | − 4.7 | 85 | 22 | 34 | 4† | 30 | 3.54 | + 0.21 | 1.20 | 0.0 | 12 | 10[a] | 5[a] | 14[a] | n. | C. H. Lane. |
| Enosburg Falls | Franklin | 601 | 19 | 61.8 | − 3.4 | 85 | 16 | 29 | 4 | 37 | 3.68 | − 0.87 | 0.90 | 0.0 | 16 | 10 | 10 | 10 | n. | L. Howe Pomeroy. |
| Northfield | Washington | 876 | 24 | 58.9 | − 3.8 | 85 | 22 | 28 | 5 | 35 | 3.18 | − 0.07 | 0.73 | 0.0 | 15 | 3 | 14 | 13 | s. | U. S. Weather Bureau. |
| Rutland | Rutland | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | H. L. Hindley. |
| Wells | ....do | 750 | 19 | 61.4 | − 4.3 | 84 | 21 | 34 | 4 | 28 | 2.75 | − 0.76 | 0.68 | 0.0 | 7 | 9 | 13 | 8 | s. | E. R. Pember. |

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
‖ Estimated by observer.
¶ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1910. District No. 4, Lake Region.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Minnesota.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloquet | Lake | | T. | T. | .02 | .02 | | | | | | | | | | .04 | T. | | | | | | | | | T. | .03 | | | | | 0.11 |
| Duluth | do | | | .07 | | .03 | | | | | | | | | | | | | | | | | | | .01 | .02 | | | | | | 0.13 |
| Floodwood | do | | | .09 | .13 | .13 | | | | | | | | | | T. | T. | | | | | | | | | | | | | | | 0.35 |
| Mount Iron | do | | T. | .02 | .14 | | | | | | | .01 | | | | | | | | | | | T. | | | .23 | .05 | | | | | 0.45 |
| Stephens Mine | do | | | | .50 | T. | | | | | | | | | | | .10 | | | | | | | .26 | | | .70 | | | | | 1.56 |
| Two Harbors | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Wisconsin.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Appleton | Fox | | .10 | | | .27 | .27 | | | | | | | | | | | | .03 | | | | | .02 | | | .09 | | | | | 0.78 |
| Ashland | Lake | | | | T. | .11 | | | | | | | | | | | T. | | | | | | | | | T. | .40 | | | | | 0.51 |
| Cecil | Fox | | .70 | | | | .15 | | | | | | | | | | | | | | | | | | | | | | | | | 0.85 |
| Chilton | do | | .04 | | T. | .16 | .45 | | | | | | | | | | | | .42 | | | | | | | | T. | .46 | | | | 1.53 |
| Crandon | do | | | | | .30 | | | | | | | | | | | | .03 | .05 | | | | | | .01 | | | | | | | 0.39 |
| Florence | Menominee | | | | | .77 | | | | | | | | | | | | | .30 | | | | | | | | .10 | | | | | 1.17 |
| Fond du Lac | Fox | | | | | .22 | .28 | | | | | | | | | | | | T. | | | | | | | | | .36 | | | | 0.86 |
| Grand River Locks | do | | | | | .22 | .14 | | | | | | | | | | | | | | | | | | | | | .47 | | | | 0.83 |
| Green Bay | Lake | | .26 | | .03 | .17 | .32 | | | | | | | | | | | | .01 | | | | | | | | .15 | | | | | 0.94 |
| Herbster | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iron River | do | | .04 | | .02 | .05 | | | | | | | | | | T. | | | | | | | | | 1.60 | .19 | | | | | 1.90 |
| Kewaunee | do | | .33 | | | .43 | .11 | | | | | | | | | | | | .30 | | | | | .08 | | | .20 | | | | | 1.45 |
| Manitowoc | do | | .04 | | .06 | .05 | .36 | | | | | | | | | | | | .08 | | | | | | | | .55 | | | | | 1.14 |
| Menasha | Fox | | T. | | | .03 | .19 | | | | | | | | | | | | .06 | | | | | | | | T. | | | | | 0.28 |
| Menominee Falls | Lake | | .27 | | .15 | .08 | .06 | | | | | | | | | | | | .08 | | | | | | | | | 1.42 | | | | 2.06 |
| Milwaukee | do | | .41 | | .14 | .06 | .11 | | | | | | | | .01 | | | | .02 | | | | | | | | .01 | .25 | | | | 1.01 |
| New London | Fox | | T. | | | .25 | .45 | | | | | | | | | | | | .30 | | | | | .16 | | | T. | | | | | 1.16 |
| Oconto | Lake | .54 | .05 | | .29 | .59 | | | | | | | | | | | | T. | | | | | | | | | | | | | | 1.47 |
| Oshkosh | Fox | | T. | | | | .65 | | | | | | | | | | | .30 | | | | | | | | | .45 | | | | | 1.40 |
| Pine River | do | | T. | | * | .30 | .91 | | | | | | | | | | | | T. | | | | | T. | | | T. | | | | | 1.21 |
| Plum Island | Lake | .12 | .04 | | | .68 | .02 | | | | | | | | | | | | | | | | | T. | | | | | | | | 0.86 |
| Port Washington | do | | .10 | | | .42 | .12 | | | | | | | | | | | | | | | | | | | | | .42 | | | | 1.06 |
| Racine | do | | .52 | | T. | .27 | .09 | | | | | | | | | | | | T. | | | | | | | | | .02 | | | | 0.90 |
| Sheboygan | do | | .04 | | .02 | .30 | .36 | | | | | | | | | | | | .30 | .07 | | | | | .09 | | | .65 | | | | 1.83 |
| Sturgeon Bay | do | .03 | .70 | .01 | T. | .59 | .02 | | | | | | | | | | | | T. | | | | | | | | | .02 | | | | 1.37 |
| Superior | do | | | | | .05 | .06 | | | | | | | | | | .03 | | | | | | | | | | .19 | T. | | | | 0.33 |
| Waupaca | Fox | | .02 | | .16 | | .63 | | | | | | | | | | | | .08 | | | | | T. | | | | | | | | 0.89 |
| *Illinois.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chicago | Lake Michigan | | .41 | | .41 | | .05 | | | | | | | | | | | | .04 | | | | | | | | T. | | | | | 0.91 |
| *Indiana.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auburn | Maumee | .03 | | .16 | | .23 | T. | | | | | | | | | | | | | | | | | | | | | | | | | 0.42 |
| Berne | do | | .32 | | | | | | | .02 | | .01 | | | T. | .13 | | | T. | T. | | .07 | | | | | | .54 | .01 | | | 1.10 |
| Elkhart | St. Joseph | T. | .31 | | | .70 | .26 | | | | | | | | T. | | | | | .05 | | | | | | | T. | | | | | 1.32 |
| Fort Wayne | Maumee | | .17 | | | .01 | | | | | | T. | | | .02 | .07 | | | | T. | | | | | | | | .01 | | | | 0.28 |
| Hammond | Lake Michigan | | .42 | .12 | | .52 | .31 | | | | | | | | | | | | | | | | | | T. | | | | | | | 1.37 |
| Howe | St. Joseph | | | .40 | | .55 | .25 | | | | | | .33 | | | | | | | .08 | | | | | | | | | .20 | | | | 1.81 |
| South Bend | do | .09 | | .43 | | .62 | .19 | .02 | | | | | | | | .05 | | | | T. | | | | | | | | .02 | | | | | 1.42 |
| Whiting | Lake Michigan | | .40 | | | | .06 | | | | | | | | | | | | | | | | | | | | | | | | | 0.46 |
| *Michigan—Upper Peninsula.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baraga | Lake | | | | | | | | | | | | | | | | | | | .50 | | | | | | | .50 | | | | | 1.00 |
| Bergland | Ontonagon | | T. | | T. | .50 | | | | | | | | | | | .10 | | .30 | | | | | T. | | .13 | .54 | | | | | 1.57 |
| Blaney | Manistique | | | | | .09 | .05 | | | | | | | | | | | | | | | | | | | | | | | | | 0.14 |
| Calumet | Lake | | .06 | | T. | .01 | | | | | | | | | | | .18 | | | | | | | .12 | | | T. | | | | | 0.37 |
| Chatham | do | .14 | .16 | | | 1.16 | .03 | | | | | | | | | | T. | | .44 | | | | | T. | | | T. | | | | | 1.93 |
| Deer Park | do | .25 | .60 | | | .40 | .30 | | | | | | | | | | | | .20 | | | | | | | | | | | | | 1.75 |
| Detour | St. Marys | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eagle Harbor | Lake | T. | .10 | | .14 | T. | T. | | T. | | | | | | | | T. | | | | | | | | | | | | | | | 0.24 |
| Escanaba | do | .03 | .02 | | T. | .45 | T. | | | | | | | | | | | | .26 | | .27 | | | .01 | | | .02 | | | | | 1.06 |
| Ewen | Ontonagon | | .01 | | T. | .45 | T. | | | | | | | | | | | | | | | | | T. | | .29 | T. | | | | | 0.75 |
| Grand Marais | Lake | .20 | .10 | | | .20 | .10 | | | | | | | | | | | | | | | | | | | | | | | | | 0.60 |
| Houghton | do | | .04 | | .02 | .03 | T. | | | | | | | | | | .26 | | | | | | | .02 | | .02 | T. | | | | | 0.39 |
| Humboldt | Escanaba | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | T. |
| Iron Mountain | Menominee | | | | | .71 | | | | | | | | | | | | | | | | | | | | | | | | | | 0.71 |
| Iron River | do | | .10 | | | .30 | | | | | | | | | | | | | .60 | | | | | T. | | | .20 | | | | | 1.20 |
| Ironwood | Lake | | T. | | T. | .05 | | | | | | | | | | | .02 | | | | | | | | .01 | .02 | | | | | | 0.10 |
| Ishpeming | Escanaba | .10 | .10 | .05 | | .30 | .10 | | | | | | | | | | T. | | | | | | | T. | | | T. | | | | | 0.65 |
| Isle Royale | Lake | | T. | | | | .40 | | | | | | | | | | .80 | | | | | | | | | | | | | | | 1.20 |
| Mackinac Island | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maple Ridge | do | .05 | .04 | | | 1.02 | .02 | | | | | | | | | | | | .68 | | | | | | | | | | | | | 1.81 |
| Marquette | do | .03 | .14 | | .05 | .51 | .03 | | | | | | | | | | 0.6 | | | | | | | T. | | | T. | | | | | 0.82 |
| Menominee | Menominee | | .40 | | | .51 | | | | | | | | | | | | | T. | | | | | | | | T. | | | | | 0.91 |
| Newberry | Tequamenon | | | | | | | | | | | .01 | | | | | .55 | | | | | | | | | | | | | | | 0.56 |
| Powers | Lake | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | T. |
| St. Ignace | do | .42 | | | | | .22 | | | | | | | | | | | | .21 | | | | | | | | | | | | | 0.85 |
| Sault Saint Marie | St. Marys | .25 | T. | | | .24 | .09 | | | | | T. | | | T. | | .09 | .03 | | | | | | | | | | | | | | 0.70 |
| Thomaston | Lake | | | | T. | | | | | | | | | | | | .05 | | | | | | | | T. | | | | | | | 0.05 |
| Victoria | Ontonagon | | .01 | | .04 | .23 | T. | | | | | | | | | .06 | | | T. | | | | | T. | | .18 | .07 | | | | | 0.59 |
| Watersmeet | do | | | | T. | .29 | .04 | | | | | | | | | | .01 | | .08 | | | | | | | | | | | | | 0.42 |
| Wetmore | Lake | .35 | .20 | | | .50 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.05 |
| Whitefish Point | do | .22 | .07 | | | .49 | .19 | | | | | | | | | | | | .33 | | | | | | | | | | | | | 1.30 |
| *Michigan—Lower Peninsula.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrian | Raisin | .03 | .69 | | | .40 | .27 | | | | | | | | | .02 | | | | .20 | | | | | | | | | .04 | | | 1.65 |
| Agricultural College | Grand | .18 | .55 | T. | | .13 | .24 | | | | | T. | | | | T. | | | | | | | | .76 | | | | .09 | | | | 1.95 |
| Allegan | Kalamazoo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alma | Saginaw | .30 | .28 | .03 | | .14 | .09 | | | | | T. | .10 | | | | | | | | | | | .60 | | | | T. | | | | 1.54 |
| Alpena | Lake | .05 | T. | | T. | .53 | .02 | | | | | .01 | .13 | | | | | | .18 | | | | | | | | T. | | | | | 0.92 |
| Ann Arbor | Huron | .09 | .87 | .03 | | .32 | .09 | | | | | .03 | | | | | | | | | T. | | | .03 | | | | .05 | | | | 1.51 |
| Arbela | Saginaw | .38 | .58 | | | .36 | .08 | | | | | | .09 | | | | | | | | | | | | | | | .16 | | | | 1.65 |
| Battle Creek | Kalamazoo | .05 | .36 | T. | | .05 | .15 | | | | | T. | | | .37 | | | | | | | | | | | | | .05 | | | | 1.03 |
| Bay City | Saginaw | .40 | .30 | .40 | | .50 | .10 | | | | | | .90 | | | | | | | | | | | | | | | .10 | | | | 2.70 |
| Bensonia | Betsie | .11 | .08 | | | .13 | | | | | | | | | | | | | | | | | | | | | .08 | | | | | 0.40 |
| Berlin | Clinton | .35 | .60 | | | .68 | | | | | | .17 | .01 | | | | | | | | | | | | | | | .01 | | | | 1.82 |
| Big Rapids | Muskegon | .13 | .25 | | | .26 | .12 | | | | | .15 | | | | | | | | | | | | | | | | .31 | | | | 1.22 |
| Bloomingdale | Lake | .02 | .62 | T. | | T. | .31 | | | | | .33 | | | .05 | | | | | | | | | | .05 | | T. | | | | | 1.38 |
| Cadillac | Manistee | .16 | .05 | | | .30 | | | | | T. | .15 | | | | | | | | | | | | | | | .40 | | | | | 1.06 |
| Cassopolis | St. Joseph | | .65 | .25 | | | | | | | | .01 | | | | | | | | .45 | | | | | | | | | | | | 1.36 |
| Charlevoix | Lake | .14 | | | | | | | | .53 | | | | | | | | | .56 | | | | | | | | | .04 | | | | 1.27 |
| Charlotte | Kalamazoo | .10 | .61 | | | .07 | .32 | | | | | .02 | T. | | T. | | | | | | | | | T. | .09 | | | .04 | | | | 1.25 |
| Cheboygan | Cheboygan | .36 | | | | .15 | .18 | | | | | T. | | | | | | | .40 | | | | | | | | | T. | | | | 1.09 |
| Clinton | Raisin | T. | .36 | .09 | | .28 | .15 | | | | | T. | T. | | | .06 | | | T. | | | | | | | | | T. | | | | 0.94 |
| Coldwater | St. Joseph | | .55 | .08 | | .33 | .10 | | | | | | .02 | | T. | | | | | | | | | | .52 | | | .05 | | | | 1.65 |
| Concord | Kalamazoo | .13 | 1.15 | | | .30 | .08 | | | | | | | | T. | T. | | | | | | | | .14 | | | | .09 | | | | 1.89 |
| Croton | Muskegon | .13 | .25 | | | .22 | .18 | | | | | .10 | .03 | | | | | | | | | | | | | | | .21 | | | | 1.22 |
| Detroit | Detroit | .31 | .69 | | | .21 | .05 | | | | | .10 | .07 | | .01 | | | | .01 | | | | | | | | | .02 | | | | 1.47 |
| Durand | Saginaw | .18 | .41 | .26 | | .22 | .30 | .02 | | | | T. | T. | | T. | | | | .07 | | | | | | | | | .08 | | | | 1.54 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 4*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Michigan—Lower Peninsula*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| East Tawas | Lake | .40 | .05 | | | .20 | | | | | | | .25 | | | | | .35 | | | | | | | | | | .25 | | | | | 1.50 |
| Eloise | Rouge | .26 | .59 | .03 | | .24 | .07 | | | | | .03 | T. | | | | | .01 | | | | | | T. | | | | .02 | | | | | 1.25 |
| Flint | Saginaw | .12 | .30 | .50 | | .25 | .05 | | | | | .15 | | | | | | | | | .08 | | | .08 | | | | .10 | | | | | 1.63 |
| Frankfort | Betsie | .08 | .13 | | | .10 | | | | | | | | | | | | | | | | | | | .25 | | | .10 | | | | | 0.66 |
| Ganges | Lake | .03 | .74 | | | .16 | .19 | | | | | | | | | | | | | | | | | | .08 | | | .05 | | | | | 1.25 |
| Gaylord | Cheboygan | .11 | .02 | | | .17 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | 0.30 |
| Gladwin | Saginaw | T. | T. | | | .70 | | | | | | | | | | | | | T. | | | | | | .10 | | | | | | | | 0.80 |
| Grand Haven | Grand | T. | .67 | | .16 | .06 | .28 | | | | | T. | | | | | | | | | | | | T. | .05 | | | .01 | | | | | 1.23 |
| Grand Rapids | do | T. | .46 | | | .10 | .26 | | | | | .22 | | | | | | | | | | | | T. | | | | T. | | | | | 1.04 |
| Grape | Raisin | .17 | .32 | | | .09 | .25 | | | | | .10 | .01 | | | | | | | | | | | | | | | T. | | | | | 0.94 |
| Grass Lake | Grand | .10 | .90 | .10 | | .27 | .10 | | | | | .04 | | | | | | | | | T. | | | T. | T. | | | | | | | | 1.51 |
| Grayling | Au Sable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harbor Beach | Lake | .25 | .10 | | | .05 | .10 | | | | | .05 | .25 | | | | | .95 | | | | | | | | | | .20 | | | | | 1.95 |
| Harrison | Saginaw | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harrisville | Lake | .31 | | | | .23 | T. | | | | | .05 | | | | | | 1.91 | | | | | | | | | | T. | | | | | 2.50 |
| Hart | Pentwater | | .15 | | | .32 | | | | | | | | | | | | | | | | | | | | | | .15 | | | | | 0.62 |
| Hayes | Pigeon | .89 | .35 | T. | .10 | .05 | | | | | | | .52 | | | | | | .56 | | | | | | | | | .22 | | | | | 2.69 |
| Highland | Huron | .15 | .95 | | | .26 | .23 | | | | | | | | | | | | | | | | | T. | | | | T. | | | | | 1.59 |
| Hillsdale | Saint Joseph | .03 | .46 | .03 | | .32 | .12 | | | | | | | | T. | | | | | T. | | | | T. | T. | | | .10 | | | | | 1.06 |
| Holland | Lake | .02 | .58 | | | .04 | .13 | | | | | .02 | | | | | | | | | | | | | | | | T. | | | | | 0.79 |
| Howell | Saginaw | 1.60 | | | | .25 | .50 | | | | | | .05 | | T. | | | | | | | | | T. | | | | | | | | | 2.40 |
| Ivan | Manistee | .09 | | | | .28 | | | | | | .34 | | | | | | | .04 | | | | | | | | | .04 | | | | | 0.79 |
| Jackson | Grand | .06 | 1.20 | .13 | | .28 | .08 | | | | | | | | T. | | | | | | | | | .21 | .02 | | | .09 | | | | | 2.07 |
| Jeddo | St. Clair | .25 | .14 | .07 | | .26 | .06 | | | | | .12 | .05 | | | | | .19 | | | | | | | | | | .12 | | | | | 1.26 |
| Kalamazoo | Kalamazoo | | .72 | | | .05 | | | | | | .62 | | | | | | | | | | | | | | | | T. | | | | | 1.39 |
| Lansing | Grand | .17 | .52 | | | .12 | .20 | | | | | T. | | | | | | | | | | | | .42 | | | | .05 | | | | | 1.48 |
| Lapeer | Saginaw | .35 | .35 | | | .28 | .03 | | | | | | .22 | | | | | | T. | | .94 | | | | | | | .10 | | | | | 2.27 |
| Ludington | Pere Marquette | | .21 | | | | .45 | | | | | | | | | | | | | | | | | | | | | .42 | | | | | 1.08 |
| Luther | Manistee | .05 | .08 | | | .35 | .05 | | | | | .22 | | | | | | | | | | | | | | | | .39 | | | | | 1.14 |
| Mackinaw | Lake | .01 | | | | | .30 | | | | | T. | | | | | | .31 | | | | | | | | | | T. | | | | | 0.62 |
| Mancelona | do | .05 | .01 | | | .10 | T. | | | | | .01 | | | | | | .10 | | | | | | | | | | | T. | | | | 0.27 |
| Manistee | Manistee | .14 | | | | .24 | | | | | | | | | | | | | | | | | | | | | | .35 | | | | | 0.73 |
| Midland | Saginaw | .02 | .10 | | | .02 | .01 | | | | | | .10 | | | | | | | | | | | T. | | | | T. | | | | | 0.25 |
| Montague | White | | .31 | | | .22 | .35 | | | | | | | | | | | | | | | | | | | | | | | | | | 0.88 |
| Morenci | Maumee | .04 | .67 | | | .20 | .11 | | | | | | | | | | | | | .04 | | | | | | | | .62 | | | | | 1.68 |
| Mount Clemens | Clinton | .15 | .10 | .05 | | .35 | .15 | | | | | .10 | | | | T. | | | T. | | | | | | | | | T. | | | | | 0.90 |
| Mount Pleasant | Saginaw | .15 | .27 | | | | | | | | | .10 | | | | | | | | | | | | | | | | .16 | | | | | 0.68 |
| Muskegon | Muskegon | | .65 | | | .20 | T. | | | | | | | | | | | | | | | | | | T. | | | T. | | | | | 0.85 |
| Old Mission | Lake | .41 | | | | .29 | | | | | | .08 | | | | | | | | | | | | | | | | | | | | | 0.78 |
| Olivet | Kalamazoo | .22 | .73 | | | .08 | .18 | | | | | .04 | .01 | | .30 | | | | | | | | | .80 | | | | .74 | | | | | 3.10 |
| Omer | Lake | | .70 | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | 0.70 |
| Onaway | Cheboygan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ovid | Grand | .07 | .28 | .78 | | .21 | T. | .22 | | | | | .05 | | | .11 | .11 | | | | | | | | .65 | | | | .06 | | | | 2.54 |
| Owosso | Saginaw | .04 | .06 | .05 | .11 | .18 | .16 | | | | | | | | | | | | | | | | | .10 | | | | .10 | | | | | 0.80 |
| Petoskey | Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plymouth | Rouge | .20 | .66 | .20 | | .80 | .10 | | | | | | | | | | | | | | .35 | | | | | | | | | | | | 2.31 |
| Pontiac | Clinton | .25 | .82 | .10 | | .30 | .16 | | | | | .08 | .02 | | | | | | .04 | | T. | | | | | | | T. | | | | | 1.77 |
| Port Austin | Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Huron | St. Clair | .20 | .24 | .01 | | .22 | .13 | | | | | .23 | .01 | | | T. | | .03 | .01 | | | | | | | | | .02 | | | | | 1.10 |
| Reed City | Muskegon | .20 | | | | .20 | | | | | | .15 | | | | | | | | | | | | | | | | | | | | | 0.55 |
| Roscommon | Au Sable | | .15 | | | .30 | | | | | | | | | | | | | .30 | | | | | | | | | | | | | | 0.75 |
| Saginaw | Saginaw | .40 | .20 | .10 | | .34 | T. | | | | | T. | .10 | | | | | | T. | | | | | .15 | | | | .05 | | | | | 1.34 |
| Saginaw, W. S. | do | .45 | .23 | .12 | | .39 | .02 | | | | | T. | .26 | | | | | | .08 | | | | | .18 | | | | .02 | | | | | 1.75 |
| St. James | Lake | .25 | | | | .10 | | | | | | | | | | | | .51 | | | | | | | | | | | | | | | 0.86 |
| St. Johns | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Joseph | St. Joseph | T. | .38 | | | .14 | .04 | | | | | | | | | | | | | .22 | | | | | | | | | | | | | 0.78 |
| Sandusky | Lake | .22 | .16 | | | .29 | | | | | | .06 | .08 | | | | | .85 | | | | | | | | | | .20 | | | | | 1.86 |
| Saranac | Grand | .29 | .38 | | | .15 | .35 | | | | | | | | | | | | | | | | | T. | | | | | | | | | 1.17 |
| South Haven | Lake | .40 | | | | | .20 | | | | | | | | | | | | | .30 | | | | | .30 | | | | | | | | 1.20 |
| Stanton | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thornville | Saginaw | .60 | .55 | .10 | | .64 | 1.00 | | | | | .10 | .15 | | | | | | | | .15 | | | | | | | .20 | | | | | 3.49 |
| Traverse City | Lake | .25 | | | | | | | | | | | | | | | | | | | | | | | | | .25 | | | | | | 0.50 |
| Vassar | Saginaw | .11 | .26 | | | T. | | | | | | | | | | | | | | | | | | | | | | T. | | | | | 0.37 |
| Wasepi | St. Joseph | | .25 | | | .50 | .16 | | | | | .15 | | | | | | | .03 | | | | | | | | | .05 | | | | | 1.14 |
| Webberville | Grand | .22 | .80 | | | .22 | .30 | | | | | T. | T. | | .24 | | | | | | | | | .08 | | | | .09 | | | | | 1.95 |
| West Branch | Lake | | T. | .26 | .09 | | | | | | | | | | | | | | .21 | | | | | | | | | | | | | | 0.56 |
| Woodlawn | Au Sable | .05 | | | | .38 | .10 | .02 | | | | | .08 | | | | | 1.12 | .75 | | | | | | | | | | | | | | 2.50 |
| Ypsilanti | Lake | .13 | .42 | .32 | | .35 | .18 | | | | | T. | | | | | | | | | | | | T. | .01 | | | .09 | | | | | 1.50 |
| *Ohio.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akron‖ | Lake | | | | | | | | | | | | | | | | | | .02 | | | | | | | | | T. | .44 | | | | |
| Benton Ridge | Maumee | .08 | .30 | .12 | .01 | T. | T. | | | T. | | .12 | | | | | | | .13 | | | | | | | | | .09 | .18 | | | | 1.03 |
| Bowling Green | Lake | .07 | .43 | | | | .30 | | | | | .14 | | | | | | | T. | | | | | | | | | 1.25 | | | | | 2.19 |
| Bucyrus | Sandusky | .15 | .20 | .50 | | .02 | | .25 | | | T. | 1.25 | .02 | | | | | | | T. | | | | | T. | | | T. | .30 | | | | 2.69 |
| Cleveland (1) | Lake | .30 | .22 | .01 | T. | .05 | .54 | | | | .18 | .59 | | | T. | | | | .11 | | | | | | | | | T. | .01 | | | | 2.01 |
| Cleveland (2) | do | .25 | .39 | | .03 | | .52 | | | | .05 | .69 | | | | | | | .05 | | | | | | | | | T. | | | | | 1.98 |
| Defiance | Maumee | .02 | .02 | .32 | | .06 | T. | .20 | | | | | T. | | | .04 | .08 | | | | .65 | | | | | | | T. | 1.18 | | | | 2.57 |
| Findlay‖ | do | .13 | .07 | .55 | | | | .06 | | | T. | .13 | .05 | | | | | | | | | | | | | | | T. | .34 | | | | 1.33 |
| Fremont | Sandusky | .12 | .63 | | T. | T. | .08 | | | | | .56 | | | | | | | .08 | | | | | | | | | .72 | | | | | 2.19 |
| Hedges | Maumee | | .25 | | | | | | | | | .21 | | | | | | | | .46 | | | | | | | | .70 | | | | | 1.62 |
| Hillhouse | Lake | .40 | .20 | .19 | | .25 | .54 | T. | | | T. | .76 | .04 | | | | | | .15 | | | | | | | | | T. | .04 | | | | 2.57 |
| Hiram | do | .30 | .16 | .20 | | T. | .04 | | | | | .84 | | | T. | | | | .08 | | | | | | | | | | .05 | | | | 1.67 |
| Hudson | do | .40 | .22 | .25 | | | .05 | | | | .10 | .95 | | | | | | | | | | | | | | | | .04 | .09 | | | | 2.10 |
| Lima | Maumee | | .35 | | | | | | | .10 | T. | .17 | | | | | | | | .40 | | | | | | | | .78 | .73 | | | | 2.53 |
| Medina | Lake | .23 | .24 | .06 | | T. | .14 | | | | .21 | .70 | | | T. | | .10 | T. | | | | | | | | | | T. | .23 | | | | 1.91 |
| Montpelier | Maumee | T. | .44 | | .28 | | .10 | | | | T. | | | | | T. | | | | | | | | | T. | | | .60 | | | | | 1.42 |
| Napoleon | do | .06 | .30 | .22 | T. | .05 | .20 | | | | | T. | | | | | | | | | | | | | | | | 1.42 | | | | | 2.25 |
| New Bremen | do | | .33 | | | | | | | .12 | .16 | .16 | | | .93 | | | | T. | T. | .10 | | | | | | | .64 | | | | | 2.44 |
| North Royalton | Lake | .52 | .25 | .23 | | .02 | .05 | | | | .27 | 1.02 | | | | | | | | | | | | | | | | | | | | | 2.63 |
| Norwalk | do | .17 | .22 | .49 | | | | .06 | | | | .57 | .11 | | | | | | | | | | | | | | | | .49 | | | | 2.11 |
| Oberlin | do | .26 | .36 | .01 | T. | .06 | .03 | | | | | .65 | | | T. | | .03 | | | | | | | | | | | .20 | .09 | | T. | | 1.69 |
| Ottawa | Maumee | .01 | .35 | .05 | | T. | .07 | | | | T. | .12 | | | | | .03 | | | .08 | .01 | | | | | | | .53 | | | | | 1.25 |
| Rome | Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sandusky | do | .17 | .42 | | T. | T. | .41 | | | | .23 | .34 | | | | | | T. | T. | | | | | T. | | | | .17 | | | | | 1.74 |
| Tiffin | Sandusky | .13 | .44 | .08 | T. | T. | T. | | | T. | .12 | .60 | | | T. | .24 | | | .03 | | | | | | | | | .75 | | | | | 2.39 |
| Toledo (1) | Maumee | .10 | .39 | | T. | .03 | .17 | | | | T. | .11 | .05 | | | | | | .02 | | T. | | | T. | | | | .10 | | | | | 0.97 |
| Toledo (2) | do | .11 | .27 | .05 | .01 | .03 | .43 | | | | | .07 | .14 | | | | | | .04 | | .01 | | | | T. | | | .10 | .01 | | | | 1.27 |
| Upper Sandusky | Sandusky | | .45 | .15 | T. | | T. | | | .02 | .45 | .35 | | | T. | | | | T. | | .15 | .05 | | | | | | .10 | .23 | | | | 1.95 |
| Vickery | Lake | .16 | .46 | .08 | | .02 | .30 | | | | .03 | .80 | | | | | | | | | | | | | | | | .64 | .02 | | | | 2.51 |
| Wauseon | Maumee | .02 | .02 | .77 | | .17 | T. | .06 | | | | .01 | .02 | | | | .03 | | | T. | .06 | T. | | | | | | .62 | .51 | | | | 1.69 |
| Wellington | Lake | .21 | .15 | .21 | T. | .02 | .08 | | | | .22 | .80 | | | | | | | | .03 | | | | | | | | .55 | .20 | | | | 2.47 |
| Willoughby‖ | do | .13 | .35 | .33 | | | | .45 | | | | | .62 | .14 | | | .01 | .52 | | | | | | | | | | .01 | | | | | 2.56 |
| *Pennsylvania.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Erie | Lake | .28 | .13 | .14 | | .38 | .21 | T. | | | T. | .41 | | | T. | | | | | | | | | | | | .46 | T. | | | | | 2.01 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 4*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *New York.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adams Center | Lake | .11 | .19 | .07 | | .41 | .10 | .11 | .02 | | | .27 | .13 | | | | .03 | .08 | .21 | .10 | | | | | | | | | .63 | | | | 2.46 |
| Angelica | Genesee | .03 | .02 | .11 | | .04 | .07 | .04 | | | | | | | | .09 | .02 | | | | | | | | | | | T. | | | | | 0.42 |
| Appleton | Lake | T. | | T. | | .38 | .05 | T. | | | .29 | | | | | | | .10 | | | | | | | | | | .06 | .04 | | | | 0.92 |
| Auburn | Oswego | T. | | | | .58 | .35 | .20 | | | | .50 | | | | | | | | | | | | | | | | .18 | | | | | 1.81 |
| Avon | Genesee | .07 | | .04 | | 1.12 | .07 | .03 | | | | .47 | | | | | | | .40 | | | | | | | | | | | | | | 2.20 |
| Benson Mines | St. Lawrence | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blue Mountain Lake | Raquette | .03 | | | | | .67 | .73 | T. | T. | | | | | | | | .25 | .97 | | | | | | | | | .09 | | | | | 2.74 |
| Brockport | Lake | | | .01 | | .51 | .03 | | | | .03 | .38 | | | | .09 | | | .45 | | | | | | | | | | .15 | | | | 1.65 |
| Buffalo | Lake | .02 | .06 | .07 | | .33 | .06 | .01 | T. | T. | T. | .44 | T. | | | | | T. | | | | | | | | | | .06 | | | | | 1.05 |
| Canton | St. Lawrence | | .17 | .05 | | .25 | .07 | .38 | T. | | | .26 | .06 | | | | | T. | .71 | | | | | .03 | | | T. | T. | | | T. | | 1.98 |
| Cape Vincent | ...do | .02 | T. | | | .38 | .15 | .20 | .03 | | | .42 | | | | | | | .10 | | | | | | | | | | .04 | | | | 1.34 |
| Carvers Falls | Lake | .10 | .24 | | | | .90 | | | .24 | | .26 | .36 | | | | | | | | | | | | | | | | | | | | 2.10 |
| Chazy | ...do | T. | .50 | T. | | T. | .42 | 1.25 | .10 | .05 | | .58 | .03 | | | | | | | | | | | | | | | .65 | | | | | 3.58 |
| Dannemora | ...do | .05 | .16 | T. | | * | .59 | .66 | .15 | .16 | .02 | .29 | .04 | | | | | .14 | | | | | | | | | | * | .17 | | | | 2.43 |
| Elba | Lake | T. | | T. | | .50 | .05 | .10 | | | .40 | T. | T. | | | | | T. | T. | | | | | | | | | | .20 | | | | 1.25 |
| Fayetteville | Oswego | .04 | .04 | | | .74 | .14 | .48 | .03 | | T. | .50 | .02 | | | | .01 | T. | | | | | | | | | T. | T. | | | | | 2.00 |
| Gabriels | Lake | .02 | .07 | .04 | | .12 | .30 | .67 | .12 | .08 | .04 | .24 | .13 | | | | | T. | .15 | .07 | | | | | | | | | .31 | | | | 2.36 |
| Harkness | ...do | .03 | .06 | | | .13 | .47 | .43 | .28 | | | .33 | .06 | | | | | T. | .32 | | | | | | | | | .07 | | | | | 2.18 |
| Hemlock Lake | Genesee | .22 | | | | .53 | .40 | | | | | | .40 | | | | | .30 | | | | | | | | | | T. | | | | | 1.85 |
| Hunt | ...do | .03 | | .02 | | .25 | .12 | .11 | | | | .54 | | | | | | .12 | | | | | | | | | | | | | | | 1.19 |
| Ithaca | Oswego | .01 | .01 | | | .09 | .22 | .11 | | | | .55 | T. | | | | .13 | T. | .01 | | | | | | | | | .01 | | | | | 1.14 |
| Keene Valley | Au Sable | | | .05 | | .34 | .28 | .31 | .16 | .06 | .03 | .32 | .11 | | | .19 | | .04 | .13 | | | | | T. | | | | .02 | .04 | | | | 2.08 |
| King Ferry | Oswego | .02 | | | | .13 | .28 | .05 | | | | .41 | | | | | .03 | | | | | | | | | | | .06 | | | | | 0.98 |
| Lake George | Lake | .07 | T. | | | .24 | .95 | .52 | | | | .32 | .69 | | | .11 | .07 | .09 | .11 | | | | | | | | | .03 | | | | | 3.20 |
| Lake Placid Club | Au Sable, W. Br. | | .08 | | | .12 | .10 | 1.60 | .36 | .10 | .08 | .05 | .06 | | | .16 | | .05 | .09 | | | | | | | .02 | | T. | .30 | | | | 3.17 |
| Le Roy | Genesee | .02 | | .09 | | .69 | .05 | .03 | | | | .40 | | | | | | .04 | .07 | | | | | | | | | .09 | | | | | 1.48 |
| Lockport | Lake | T. | | .08 | | .43 | .09 | .01 | | .01 | .01 | .37 | | | | | | T. | | | | | | | | | | .06 | .07 | | | | 1.13 |
| Lowville | ...do | | | | | | | | | | | .25 | | | | | T. | 1.18 | .30 | | | | | | | | | | | | | | 1.73 |
| Lyndonville | ...do | | | | | .52 | | | | | | .30 | | | | | | .35 | | | | | | | | | | | | | | | 1.17 |
| Moira | St. Lawrence | | .05 | .06 | | .10 | .14 | .30 | .09 | | | T. | .13 | | | | | 1.72 | .42 | | | | | .02 | | | | T. | .57 | | | | 3.60 |
| Nehasane | Lake | | .06 | | | .41 | .25 | .75 | .18 | | | .30 | .06 | | | | | 1.64 | .86 | .05 | | | | | | | | | .06 | | | | 4.62 |
| North Lake | ...do | .15 | | | | .68 | .27 | .78 | | | | .41 | .12 | | | | | | 1.25 | | | | | | | | | | | | | | 3.66 |
| Ogdensburg | St. Lawrence | T. | .10 | .06 | | T. | .21 | .40 | .02 | | | .10 | .09 | | | | | | T. | | | T. | | | | | | T. | | | | | 0.98 |
| Old Forge | Lake | .01 | .06 | | | .53 | .20 | .72 | .19 | | | .45 | .09 | | | | | .04 | .24 | .02 | | | | | | | | .45 | | | | | 3.00 |
| Oswego | ...do | .03 | T. | T. | | .89 | .12 | .03 | | .01 | | .40 | T. | | | T. | T. | | .01 | | | | | | | | | .19 | .01 | | | | 1.69 |
| Otto | ...do | .28 | .06 | .29 | | .13 | | .06 | | | | .18 | | | | | | | | | | | | | | | T. | | | | | | 1.00 |
| Palermo | Lake | .05 | | | | 1.20 | | .10 | | | | .16 | T. | | | | | | .03 | | | | | | | | | .05 | | | | | 1.59 |
| Perry City | ...do | .03 | T. | T. | | .03 | .08 | .42 | | T. | | .40 | | | | | .07 | | .30 | | | | | | | | | | .01 | | | | 1.34 |
| Philadelphia | St. Lawrence | | .02 | | | .47 | .17 | .12 | .07 | | T. | .33 | .41 | | | | | .04 | .03 | | | | | | | | | | .23 | | | | 1.89 |
| Plattsburg | Lake | .10 | .60 | .03 | | .10 | .60 | .65 | | .01 | .04 | | | .01 | | | | | | | | | | | | | | | .82 | | | | 2.96 |
| Potsdam | St. Lawrence | | .18 | .06 | | | | .74 | .06 | | | | | | | | | | | | | | | | | | | | | | | | 1.14 |
| Raquette Lake | Raquette | | | .08 | | * | .55 | .72 | .11 | | | .41 | .06 | .04 | | | | .56 | .73 | .04 | | | .09 | .01 | | | | | | | | | 3.30 |
| Rochester | Genesee | T. | | .02 | | .57 | .09 | T. | T. | | | .37 | | | | | | .07 | .10 | | | | | | | | | .10 | | | | | 1.32 |
| Romulus | Oswego | .08 | T. | | | .31 | .14 | .23 | | | | .23 | | | | | T. | | .03 | | | | | | | | | | | | | | 1.02 |
| Shortsville | ...do | .02 | | .03 | | .55 | .10 | .18 | | T. | | .39 | | | | | T. | .07 | .08 | | | | | | | | | T. | .10 | | | | 1.52 |
| Skaneateles | ...do | .06 | .02 | | | .67 | .25 | .20 | T. | T. | | .40 | .07 | | | | .03 | T. | T. | | | | | | | | .03 | .06 | | | | | 1.79 |
| Syracuse | ...do | .02 | T. | | | 1.23 | .39 | .03 | | T. | | .51 | .01 | | | | .01 | .01 | T. | | | | | | | | | .01 | .02 | | | | 2.24 |
| Ticonderoga | Lake | .02 | T. | | | * | .70 | .55 | .05 | | .01 | .24 | .20 | | | .01 | | .05 | .50 | | | | | | | | | T. | | | | | 2.33 |
| Trudeau | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tupper Lake | St. Lawrence | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Volusia | Lake | .25 | .25 | .40 | | .44 | .16 | T. | | | | .67 | | | | | | T. | | | | | | | | | | T. | | | | | 2.17 |
| Watertown | ...do | .02 | T. | | | .60 | .12 | .20 | .12 | | | .41 | .03 | | | | .36 | | .43 | | | | | | | | | | .31 | | | | 2.60 |
| Wedgewood | Oswego | .04 | T. | .01 | | .06 | .04 | .29 | | | | .44 | | | | | .20 | .07 | .13 | | | | | | | | | T. | .03 | | | | 1.31 |
| Westfield | Lake | .81 | .09 | .37 | | .47 | .21 | .29 | | | .46 | | | | | | T. | | | | | | | | | | | | | | | | 2.70 |
| Youngstown | ...do | | | | | .15 | .03 | | .01 | | | .40 | | | | | | | | | | | | | | | | .10 | .02 | | | | 0.71 |
| *Vermont.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Burlington | Lake | .01 | .09 | .05 | | .22 | .26 | .84 | .07 | T. | | .21 | .04 | | | | .02 | T. | T. | | | T. | T. | | T. | T. | .04 | .35 | | | | 3.10 |
| Cornwall | ...do | .25 | .10 | T. | | .60 | .40 | 1.20 | .10 | .04 | | .20 | .05 | | | | | .25 | | | | T. | | | | | .10 | .25 | | | | 3.54 |
| Enosburg Falls | ...do | .30 | .24 | .16 | T. | | .24 | .90 | .14 | | .10 | .11 | .11 | T. | | .01 | | T. | .25 | .01 | | | | .78 | T. | .01 | T. | .02 | .30 | | | | 3.68 |
| Northfield | ...do | .01 | | | | .40 | .33 | .56 | .12 | .02 | | .26 | .07 | | | .50 | .07 | .13 | T. | | | | .02 | .16 | T. | | | .45 | .08 | | | | 3.18 |
| Rutland | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wells | ...do | .41 | T. | | | | .66 | .68 | .05 | | T. | .37 | .17 | | | | | .41 | T. | | | | | T. | | | | T. | T. | | | | 2.75 |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 4, Lake Region.*

| Date. | Wisconsin. | | | | | | Michigan, Upper Peninsula. | | | | | | Michigan, Lower Peninsula. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Duluth, Minn. | | Florence. | | Green Bay. | | Milwaukee. | | Chicago, Ill. | | Fort Wayne, Ind. | | Escanaba. | | Ewen. | | Houghton. | | Marquette. | | Sault Ste. Marie | | Alpena. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 61 | 43 | 61 | 38 | 68 | 41 | 68 | 41 | 70 | 46 | 63 | 43 | 67 | 36 | 60 | 36 | 66 | 38 | 61 | 36 | 67 | 37 | 66 | 38 |
| 2 | 63 | 43 | 67 | 34 | 68 | 43 | 68 | 43 | 68 | 43 | 67 | 46 | 63 | 36 | 62 | 37 | 63 | 43 | 63 | 38 | 61 | 40 | 63 | 35 |
| 3 | 68 | 47 | 67 | 33 | 66 | 44 | 65 | 44 | 72 | 51 | 69 | 52 | 69 | 37 | 60 | 41 | 68 | 47 | 68 | 41 | 66 | 36 | 66 | 38 |
| 4 | 61 | 39 | 61 | 40 | 68 | 44 | 65 | 44 | 68 | 51 | 67 | 52 | 68 | 39 | 61 | 38 | 66 | 43 | 66 | 43 | 66 | 36 | 66 | 38 |
| 5 | 60 | 44 | 60 | 44 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 6 | 71 | 46 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 7 | 73 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 8 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 9 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 10 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 11 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 12 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 13 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 14 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 15 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 16 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 17 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 18 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 19 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 20 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 21 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 22 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 23 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 24 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 25 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 26 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 27 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 28 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 29 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| 30 | 68 | 53 | 66 | 46 | 66 | 46 | 66 | 46 | 68 | 52 | 66 | 52 | 68 | 43 | 60 | 44 | 66 | 46 | 66 | 43 | 66 | 38 | 66 | 38 |
| Mns | 77.2 | 53.8 | 90.9 | 49.5 | 80.1 | 56.5 | 75.4 | 55.3 | 75.0 | 61.4 | 82.3 | 52.8 | 72.6 | 54.3 | 78.0° | 45.1° | 76.2 | 53.8 | 71.8 | 53.5 | 73.1 | 48.7 | 72.7 | 52.8 |

| Date. | Michigan, Lower Peninsula. | | | | | | | | | | | | Ohio. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Alpena. | | Battle Creek. | | Cadillac. | | Detroit. | | Muskegon. | | Saginaw, W. S. | | Cleveland. | | Lima. | | Sandusky. | | Toledo. | | Erie, Pa. | | Buffalo. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 67 | 38 | 65 | 35 | 64 | 35 | 67 | 39 | 67 | 39 | 68 | 39 | 68 | 39 | 68 | 39 | 68 | 39 | 68 | 39 | 68 | 39 | 68 | 39 |
| 2 | 63 | 41 | 64 | 38 | 63 | 35 | 68 | 44 | 68 | 44 | 68 | 44 | 68 | 44 | 68 | 44 | 68 | 44 | 68 | 44 | 68 | 44 | 68 | 44 |
| 3 | 66 | 41 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 4 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 5 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 6 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 7 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 8 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 9 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 10 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 11 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 12 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 13 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 14 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 15 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 16 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 17 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 18 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 19 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 20 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 21 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 22 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 23 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 24 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 25 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 26 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 27 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 28 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 29 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| 30 | 66 | 43 | 66 | 40 | 64 | 38 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 |
| Mns | 75.7 | 57.3 | 74.4 | 53.9 | 75.6 | 53.9 | 70.5 | 56.8 | 78.1 | 54.4 | 73.4 | 58.4 | 76.7 | 58.3 | 70.0 | 57.3 | 69.5 | 56.2 | 72.5 | 52.2 | 73.3 | 55.9 | 72.2 | 55.3 |

| Date. | New York. | | | | | | | | Vermont. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Canton. | | Rochester. | | Syracuse. | | Burlington. | | Northfield. | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | |
| 1 | 68 | 39 | 68 | 39 | 68 | 39 | 68 | 39 | 68 | 39 | | |
| 2 | 68 | 44 | 68 | 44 | 68 | 44 | 68 | 44 | 68 | 44 | | |
| 3 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 4 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 5 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 6 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 7 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 8 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 9 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 10 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 11 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 12 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 13 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 14 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 15 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 16 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 17 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 18 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 19 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 20 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 21 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 22 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 23 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 24 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 25 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 26 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 27 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 28 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 29 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| 30 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | 68 | 46 | | |
| Mns | 73.8 | 55.2 | 73.8 | 55.2 | 73.8 | 55.2 | 73.8 | 55.2 | 73.8 | 55.2 | | |

# Climatological Data for June, 1910.
## DISTRICT No. 5, UPPER MISSISSIPPI VALLEY.

GEORGE M. CHAPPEL, District Editor.

### GENERAL SUMMARY.

The most notable climatic features of June were the unusually cool weather during the first and the continuously high temperatures during the latter half of the month, the excessive amount of sunshine, the low percentage of humidity, the great deficiency of rainfall and droughty conditions over the central and northern portions of the district, the light wind velocity, and the comparatively small number of thunder and hail storms and wind squalls.

The first 12 to 14 days of the month were abnormally cool, with frequent and fairly well-distributed showers over the larger part of the district, and freezing temperatures and snow flurries over the northern tier of States. The latter half of the month was excessively hot and dry; droughty conditions prevailed, which were very damaging to vegetation in the northern sections.

### TEMPERATURE.

The temperature was abnormally low during the first 13 days, then it changed within 3 days to excessively warm and continued so during the remainder of the month, causing the monthly mean to be above the normal over the western and northern portions of the district. The departures ranged from +10.5° in northwestern North Dakota to −2.7° in southern Illinois, the line of zero departure passing from northern Illinois southwestward across the extreme southern portion of Iowa. The difference in temperature between the first and latter half of the month was very marked. Freezing temperatures and heavy frosts occurred over the northern tier of States early in the month and maximum temperatures of 100° or higher occurred in all parts of the district, except Missouri, southern Illinois, and Indiana on one or more days during the latter half of the month. The greatest monthly range occurred in North Dakota where the temperature was 22° on the 2d, and 109° on the 20th, making a range for the State of 87° during the 18 days. The record for the number of days in June with a maximum temperature of 90° or higher was broken at many stations over the northern two-thirds of the district.

The monthly mean temperature for the district, as shown by the records of 288 stations, was 68.7°, which is 1.2° above the normal. The highest monthly mean was 73.8° at Tipton, Iowa, and the lowest, 62.3°, at Long Lake, Wis. The highest temperature reported was 109° at Minot, N. Dak., on the 20th, and the lowest, 22° at Grandville, N. Dak., on the 4th, and at Pratt, N. Dak., on the 5th.

### PRECIPITATION.

There was a marked deficiency of precipitation in all sections; there being only 1 station in Minnesota, 4 in Iowa, 1 in Missouri, and 3 in Illinois that reported an excess, and the surplus at those stations was due to heavy local showers on 1 or 2 days and not to general and long continued rains. There were several stations n all of the States in the district, except Missouri, that reported considerably less than 1 inch during the entire month. There was 1 station in Wisconsin and 1 in Minnesota at which only a trace fell, and 1 station in North Dakota had no precipitation. The deficiency in North Dakota was 2.49 inches; in Minnesota t ranged from 2 to over 5 inches; in Wisconsin it was 3.27; in Iowa, 2.41; in Missouri, 1.39; in Indiana, 2.69, and in Illinois, 1.72 inches.

It was the driest June on record in Minnesota and Iowa since state-wide observations have been taken.

The average precipitation for the district, as shown by the records of 305 stations, was 1.07 inch, which is 2.46 inches below the normal. The greatest amount, 8.58 inches, occurred at Carbondale, Ill., while at Grafton, N. Dak., there was no precipitation.

Measurable precipitation occurred on an average of 6 days, but nearly all of it fell during the first decade.

### EXCESSIVE PRECIPITATION.

The official in charge, local office, U. S. Weather Bureau, at Hannibal, Mo., reports:

> Excessive rain fell on the night of the 9–10th, 2.93 inches falling in 8 hours and 25 minutes. The Lindel Avenue wagon bridge was carried away by the rush of waters and the St. Louis and Hannibal Railroad lost 200 or 300 yards of track in that vicinity. Many houses in the bottom lands along Bear Creek were flooded, gardens destroyed, and many hogs and chickens destroyed. It is estimated that $15,000 damage was done in and within a mile of Hannibal. A heavy shower on the 19th resulted in much damage in the vicinity of Spaulding Springs, Mo.

At Springfield, Ill., 1.57 inch fell in 43 minutes on the 25th, between 6:13 and 6:56 p. m; on the 26th, 0.89 inch fell in 40 minutes, between 6:19 and 6:56 p. m. At Cairo, Ill., 0.40 inch fell in 13 minutes, on the 4th, between 11:38 and 11:51 a. m. At Carbondale, Ill., 4.50 inches fell in 3 hours on the 27th.

### SUNSHINE AND CLOUDINESS.

The average number of clear days was 19; partly cloudy, 7; cloudy, 4. The duration of sunshine was above the normal, especially in the northern section.

### WIND.

Southeast winds prevailed. The highest velocity reported was 42 miles per hour from the southwest at Springfield, Ill., on the 8th.

Referring to the statement made in the first paragraph of this report in regard to the small number of hail storms and wind squalls during the month, the following reports will be of interest. In a letter to the District Editor the secretary of the Iowa Mutual Tornado Insurance Association says:

> Following is a list of the losses sustained and paid by this association during the month of June for the past 5 years: 1906, $5,002.61; 1907, $1,703.25; 1908, $24,421.20; 1909, $9,252.86; 1910, $416.92.

In a similar communication, the secretary of the Farmer's Mutual Hail Insurance Association of Iowa says:

> In answer to your inquiry I wish to say that our experience for this year is that the hailstorms have been much lighter than the average. We have had no reports of storms doing any considerable damage, and what few storms have been reported were of very small area.

### RIVERS.

The average stage of the rivers was below the normal in all parts of the district.

At Hannibal, Mo., the stage reading of the Mississippi River was the lowest for June since 1902.—*George Reeder, Section Director.*

*Dubuque, Iowa.*—The rivers in the district have fallen steadily during the month. The maximum stage of the Mississippi was 5.0 on the 1st, and the minimum 2.0 feet on the 30th. The Wisconsin River at Portage fell from a maximum of 4.0 feet on the 1st to a minimum of 1.7 foot on the 28th. The proverbial "June rise" was conspicuous for its absence. The stage at Dubuque was lower in June only once in 37 years, and probably in 46 years. At La Crosse, Wis., the minimum stage was the lowest ever recorded in June. At Reeds Landing the river was only a tenth or two above zero at the end of the month. Toward the close of the month steamboats running up and down the river experienced numerous and annoying delays, owing to the low water, although through navigation was not interrupted between St. Louis and St. Paul, doubtless due to the excellent work that has been done on the Mississippi by the U. S. Engineers during the past few years. The largest boats of the Diamond Joe Line have not started yet, owing to low water. They are, however, running a smaller boat.—*J. H. Spencer, Local Forecaster.*

*Wisconsin.*—The rivers fell steadily during the month and extreme low-water conditions were reported over the whole section.—*H. B. Hersey, Inspector.*

*Minnesota.*—The Mississippi River fell to the lowest stage for June since June 30, 1900.—*U. G. Purssell, Section Director.*

The maximum stage of the Des Moines River at Des Moines, Iowa, 4.2 feet, occurred on the 12th, and the minimum stage was 2.3 feet on several days during the first decade of the month. The slight rise between the 10th and 12th was due to heavy local showers in the northern part of the State. After the 12th there was a gradual fall and at the close of the month the stage was 2.7 feet.

### MISCELLANEOUS.

The cold weather during the fore part of the month retarded the growth of vegetation and was especially damaging to the corn crop, as it not only checked the growth of the plants, but it prevented the germination of the poor seed and favored the development of insects. Cut and wire worms were very active and as a result the stand of corn is much below the average of past years. The potato beetles were also abundant and caused considerable injury to the potato crop.

The high temperatures during the latter half of the month were extremely favorable to plant growth. Corn made rapid advancement and at the close of the month was nearly up to the normal stage of growth for that season of the year. The high temperatures, the excessive sunshine, and the absence of rainfall made the best of conditions for killing weeds and cultivating corn. The fields were never cleaner, and the soil is in execllent condition to withstand the effects of droughty weather. The dry, hot weather was, however, very injurious to grass and potatoes in the central section and to small grain, grass, and potato crops in the northern States.

The dry weather was also favorable to brush and forest fires in Minnesota and Wisconsin, and much damage was done in those States.

Hazy and smoky weather prevailed much of the time during the latter part of the month in all sections.

The following extracts from reports of section directors will give a more general and detailed account of the conditions in the several sections of the district:

*North Dakota.*—The weather conditions during June were very unfavorable and at the close of the month vegetation was in a somewhat serious condition. The unfavorableness consisted chiefly of excessive temperature, lack of moisture, and hot, dry winds. There was more than the usual amount of sunshine, the excess being about 10 per cent.

*Minnesota.*—The past month was the warmest and driest June on record. The sunshine was unusually abundant; there being 19 clear days, which is 3 more than previously recorded. The greatest deficiency of precipitation was in Fillmore and southwestern Winona counties. Nearly all of the monthly precipitation occurred from the 3d to the 6th, on the 8th and 9th, and from the 22d to the 26th. On the other days there was little or no precipitation, and with the lightest precipitation since February or any like period for over 50 years, serious drought has resulted over much the larger part of the State, causing serious loss to crops and farm produce. In the northeastern counties there was much loss from forest and brush fires.

*Wisconsin.*—The weather was very dry and remarkably free from severe storms. Thunderstorms were general throughout the section on only 1 day, the 18th, although there were a few scattering storms with some heavy rainfall in the extreme southwestern section on the 26th or 27th. The winds were very light and variable, the maximum velocity for 5 minutes at the Weather Bureau Office at La Crosse being only 15 miles per hour. The precipitation averaged slightly less than one-quarter of the normal amount. There were only 3 cloudy days during the month, but there was much smoky weather even in the southern counties, due to the many forest fires in the northern woods.

*Missouri.*—The first 10 days of the month were more or less cloudy and wet; in fact, the greater part of the monthly precipitation occurred during that period, the precipitation during the second and third decades being largely confined to local showers. The total fall for the month was less than normal, but the moisture was as a rule sufficient for needs.

*Illinois.*—The temperature showed great contrasts, ranging from 32° on the 1st, with light frosts at several places, to 101° on the 30th. The precipitation was the lightest for June since 1887. The distribution of rainfall was very uneven, being very light in the northern half of the district. While the temperature was above the normal during the latter half of the month, the lack of moisture in many places was detrimental to plant growth. Our correspondent at Oregon, Ogle County, writes: "Only shower during month, 0.20 inch on 14th. Pastures and oats are suffering for rain. Early potatoes are drying up. Spring sowing of timothy is killed. Corn a poor stand. No tree fruits." The foregoing is typical of conditions in that portion of the State.

### DRAINAGE AND ENGINEERING NOTES.

Mr. A. D. Morehouse, Acting Chief of Drainage Investigations, has kindly furnished the following information relative to drainage work being done in Iowa:

Drainage Investigations of the Office of Experiment Stations, U. S. Department of Agriculture, have since May 16 been conducting a drainage survey of the upper Des Moines River. Up to July 1 the preliminary survey was completed, with the exception of soil borings, up to a point near Emmetsburg, Iowa. The survey consists of the following: A meander of the channel, line levels up the valley at intervals of one mile or less, meander of the flood line, and channel measurements. Numerous soil borings in Palo Alto County will also be made. The work began at the junction of the east and west forks, about 3 miles below Humboldt. Upstream to near Bradgate, Iowa, the banks are high and very little of the land is subject to overflow. In Palo Alto County, however, the overflowed land varies from a mile to a mile and a half wide. The surveying party consists of 10 men under Mr. O. G. Baxter, Drainage Engineer, and at present the camp is established 2 miles south of Emmetsburg, Iowa. S. H. McCrory and H. A. Kipp, Drainage Engineers, are making examinations of the drainage conditions in the counties of northern and southern Iowa, respectively. The above work is all being done under the direction of C. G. Elliott, Chief of Drainage Investigations, in cooperation with the Iowa State Drainage Waterways and Conservation Commission.

The survey of the Des Moines River was continued during the month of June, under the supervision of Mr. A. O. Rowse, U. S. Army Engineer. Topography on both sides of the river, covering area subject to overflow, soundings and probings of the river bottom and levels to determine water slope were taken for a distance of 19 miles, measured along the river. Twenty-five miles of base line and about 12 miles of topograph were platted.

The following is a summary of work accomplished by the army engineers on the Des Moines River during the fiscal year ended June 30, 1910: Transit line and line of levels for base of survey were made from the mouth of the river, near Keokuk to Des Moines, a distance of about 170 miles. Bench marks were established, high water elevations were determined, and 12 river gages were erected. Topography on both sides of the river, covering area subject to overflow, soundings and probings of river bottom and levels to determine water slope were taken from Des Moines to a point 27 miles down the river. Rectangular coordinates were computed for the base line and 35 miles of base line and 12 miles of topography were platted.

Mr. Whitney Gilbreath, chairman of the commissioners of the drainage district, Chester, Ill., furnished Mr. William E. Barron, Local Forecaster, U. S. Weather Bureau, Cairo, Ill., with the following:

The Degognia and Fountain Bluff Levee, located in Degognia and Fountain Bluff townships, Jackson County, Ill., is under way. The levee will be about 16 miles long and will protect an area of about 31,000 acres against a stage in the Mississippi River, equivalent to 40 feet by gage at St. Louis, Mo. The total cost will approximate $140,000, including locks. The larger part of the land is now under cultivation, but some of it is subject to overflow at a stage of 33 feet.

TABLE 1.—*Climatological data for June, 1910. District No. 5, Upper Mississippi Valley.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *North Dakota.* | | | | | | | | | | | | | | | | | | | | |
| Amenia | Cass | 954 | 12 | 68.8 | + 5.6 | 101 | 27 | 30 | 2 | 49 | 1.22 | − 2.41 | 0.56 | 0.0 | 4 | 16 | 5 | 9 | se. | C. E. Wood. |
| Bottineau | Bottineau | 1,638 | 14 | 66.5 | +10.5 | 102 | 29 | 27 | 4 | 47 | 1.94 | − 1.83 | 0.69 | 0.0 | 12 | 15 | 7 | 8 | se. | J. A. Kemp. |
| Cando | Towner | 1,488 | 8 | | | | | | | | 0.70 | − 1.27 | 0.25 | 0.0 | 5 | | | | | E. T. Judd. |
| Crosby | Williams | | 3 | 64.6 | | 102 | 20 | 28 | 1 | 50 | 3.95 | | 1.58 | 6.0 | 7 | 18 | 7 | 5 | s. | H. C. Kaschau. |
| Devils Lake | Ramsey | 1,482 | 4 | 68.4 | + 5.8 | 101 | 29 | 29 | 2 | 36 | 1.33 | − 2.20 | 0.47 | 0.0 | 7 | 14 | 11 | 5 | s. | U. S. Weather Bureau. |
| Donnybrook | Ward | 1,760 | 10 | | | | | | | | | | | | | | | | | C. J. De Vore. |
| Dunseith | Rolette | | 12 | 66.6 | + 6.4 | 106 | 20 | 24 | 4 | 44 | 1.00 | − 2.05 | 0.40 | 0.0 | 5 | 14 | 8 | 8 | w. | L. H. Trowbridge. |
| Edmore | Ramsey | 1,524 | 4 | 68.6 | | 105 | 20 | 27 | 4 | 51 | 1.18 | | 0.53 | 0.0 | 4 | 10 | 20 | 0 | se. | H. R. Aslakson. |
| Forman | Sargent | 1,249 | 15 | | | 100 | 30 | 30 | 1 | 41 | 3.14 | − 0.37 | 1.42 | 0.0 | 5 | 20 | 3 | 7 | sw. | A. Maltby. |
| Grafton | Walsh | 837 | 12 | 69.9 | + 7.2 | 101 | 20 | 32 | 5 | 46 | 0.00 | − 3.38 | 0.00 | 0.0 | 0 | 13 | 15 | 2 | s. | H. La Moure. |
| Granville | McHenry | 1,504 | 3 | 67.0 | | 103a | 20† | 22a | 4 | 50 | 1.70 | | 1.11 | 0.0 | 5 | | | | s. | W. A. Christiansen. |
| Hannah | Cavalier | 1,568 | 4 | 65.5 | | 99 | 29 | 25 | 11 | 48 | 2.08 | | 0.91 | T. | 4 | 18 | 8 | 4 | se. | J. Moffatt. |
| Hansboro | Towner | | 2 | 66.2 | | 103 | 20 | 28 | 4 | 46 | 1.73 | | 0.45 | 0.0 | 9 | 19 | 4 | 7 | se. | Geo. Dale. |
| Hillsboro | Traill | 901 | 4 | 69.4 | | 98 | 20† | 29 | 2 | 42 | 0.77 | | 0.54 | 0.0 | 4 | 18 | 11 | 1 | s. | M. H. Norman. |
| Lakota | Nelson | 1,519 | 3 | 68.4 | | 99 | 20 | 25a | 2 | 45a | 0.42 | | 0.15 | 0.0 | 5 | 14 | 15 | 1 | sw. | C. R. Pettes. |
| Langdon | Cavalier | 1,615 | 14 | 66.6 | | 100 | 20 | 28 | 4 | 48 | 0.70 | | 0.19 | T. | 6 | 21 | 0 | 9 | sw. | J. Woolner. |
| Larimore | Grand Forks | 1,134 | 14 | 68.5 | + 6.9 | 100 | 27 | 29 | 2 | 39 | 0.47 | − 3.06 | 0.20 | 0.0 | 5 | 13 | 7 | 10 | s. | S. R. Britton. |
| Lisbon | Ransom | 1,091 | 5 | 67.6 | | 98 | 21 | 28 | 2 | 43 | 1.95 | | 0.89 | 0.0 | 7 | 19 | 3 | 8 | se. | H. K. Adams. |
| McKinney | Ward | 1,640 | 15 | 65.4 | + 5.1 | 104a | 20 | 26a | 1† | 51a | 1.29 | − 2.98 | 0.47 | 0.0 | 5 | | | | se. | N. P. Swenson. |
| Manfred | Wells | 1,605 | 8 | 67.7 | | 104 | 20 | 28 | 2 | 44 | 2.04 | | 0.93 | 0.0 | 6 | 19 | 7 | 4 | se. | P. B. Anderson. |
| Mayville | Traill | 975 | 14 | 75.2 | +12.3 | 95 | 20 | 44 | 1 | 21 | 0.52 | − 2.91 | 0.32 | 0.0 | 3 | 26 | 4 | 0 | s. | M. N. Pope |
| Minot | Ward | 1,557 | 11 | 68.6 | + 5.8 | 109 | 20 | 30 | 1† | 48 | 0.48 | − 3.28 | 0.17 | 0.0 | 6 | 19 | 5 | 6 | nw. | J. J. Bates. |
| Minto | Walsh | 820 | 16 | 68.8 | + 5.3 | 102 | 27 | 29 | 3 | 42 | 0.54 | − 2.83 | 0.25 | 0.0 | 4 | 20 | 9 | 1 | s. | S. S. Marsh. |
| Oriska | Barnes | 1,270 | 4 | 67.0 | | 95 | 21† | 28 | 2 | 40 | 1.70 | | 0.75 | 0.0 | 7 | 8 | 22 | 0 | se. | W. E. Williams. |
| Park River | Walsh | 998 | 6 | 68.5 | | 100 | 27 | 31 | 2 | 41 | 0.57 | | 0.12 | 0.0 | 7 | | | | nw. | A. Heyward. |
| Pembina | Pembina | 789 | 11 | 68.8 | + 6.9 | 98 | 20† | 30 | 1† | 36 | 0.94 | − 2.92 | 0.20 | 0.0 | 8 | 22 | 2 | 6 | e. | C. W. Shumaker. |
| Portal | Ward | 1,954 | 15 | | | | | | | | | | | | | | | | | M. S. Davis. |
| Power | Richland | 1,020 | 17 | 67.7 | + 3.8 | 97 | 20 | 26 | 2 | 39 | 0.63 | − 3.26 | 0.16 | 0.0 | 6 | 17 | 9 | 4 | se. | J. A. Power. |
| Pratt | McHenry | | 5 | 65.5 | | 105 | 29 | 22 | 5 | 52 | 1.87 | | 0.62 | 0.0 | 7 | 15 | 13 | 2 | nw. | C. H. Butts. |
| University | Grand Forks | 830 | 18 | 67.6 | + 5.1 | 99 | 27† | 28 | 2† | 43 | 0.63 | − 3.48 | 0.31 | 0.0 | 4 | 21 | 6 | 3 | sw. | W. R. Holgate. |
| Wahpeton | Richland | 962 | 18 | 65.7 | + 0.1 | 96 | 20† | 24 | 2 | 41 | 2.74 | − 1.75 | 1.19 | 0.0 | 7 | 18 | 1 | 11 | se. | E. G. Burch. |
| Walhalla | Pembina | 966 | 5 | | | 101 | 20† | | | | 0.37 | | 0.23 | T. | 3 | | | | | C. H. Lee. |
| Westhope | Bottineau | | 3 | 67.8 | | 106 | 20† | 22 | 1† | 49 | 2.18 | | 0.90 | 0.0 | 6 | 21 | 1 | 8 | s. | J. D. Currie. |
| Willow City | ....do | 1,471 | 16 | 66.7 | − 5.4 | 105 | 19 | 32 | 2 | 48 | 1.40 | − 2.03 | 0.59 | 0.0 | 8 | 7 | 18 | 5 | se. | M. A. Ostby. |
| *Minnesota.* | | | | | | | | | | | | | | | | | | | | |
| Albert Lea | Freeborn | 1,229 | 20 | 69.6 | + 3.2 | 98 | 24 | 40 | 3† | 37 | 0.66 | − 3.74 | 0.58 | 0.0 | 4 | 18 | 9 | 3 | se. | Edward Carey. |
| Alexandria | Douglas | 1,391 | 16 | 68.6 | + 4.0 | 95 | 20† | 35 | 2 | 39 | 1.65 | − 2.27 | 0.60 | 0.0 | 5 | 20 | 2 | 8 | sw. | P. O. Unumb. |
| Angus | Polk | 870 | 8 | 67.3 | | 98 | 27 | 24 | 2 | 46 | 0.43 | | 0.24 | 0.0 | 3 | 13 | 15 | 2 | s. | John Nadvornik. |
| Bagley | Clearwater | | 4 | 65.7 | | 99 | 21 | 30 | 2 | 44 | 1.41 | | 0.65 | 0.0 | 5 | 13 | 15 | 2 | se. | Jens Nelson. |
| Baudette | Beltrami | 1,084 | 1 | 67.4 | | 97 | 21† | 32 | 6 | 49 | 1.33 | | 0.79 | 0.0 | 4 | 23 | 4 | 3 | se. | Franz W. Schmidt. |
| Beardsley | Bigstone | 1,060 | 17 | 67.8 | + 4.0 | 97 | 20 | 30 | 2 | 38 | 2.33 | − 1.46 | 1.04 | 0.0 | 6 | 18 | 6 | 6 | se. | Roy A. Smith. |
| Beaulieu | Mahnomen | 1,200 | 8 | 68.6 | | 96 | 27 | 31 | 2 | 44 | 0.81 | | 0.45 | 0.0 | 4 | 18 | 8 | 4 | s. | Dr. L. A. Parkinson. |
| Bird Island | Renville | 1,039 | 20 | 68.3 | + 2.7 | 95 | 20† | 32 | 5 | 38 | 1.94 | − 1.88 | 0.73 | 0.0 | 6 | 19 | 6 | 5 | se. | Dr. F. L. Puffer. |
| Caledonia | Houston | 1,179 | 17 | 68.6 | + 2.2 | 93 | 30 | 39 | 3 | 28 | 0.55 | − 4.14 | 0.44 | 0.0 | 2 | 22 | 4 | 4 | nw. | W. D. Belden. |
| Campbell | Wilkin | 984 | | 66.4 | | 96 | 20† | 25 | 2 | 40 | 3.30 | | 1.10 | 0.0 | 10 | 19 | 3 | 8 | se. | J. T. Neiseas. |
| Cass Lake | Cass | 1,300 | 4 | | | | | | | | 0.15 | | 0.15 | 0.0 | 1 | | | | | C. W. Burns. |
| Collegeville | Stearns | 1,282 | 17 | 69.8 | + 3.8 | 94 | 20 | 33 | 2 | 31 | 1.67 | − 1.90 | 0.93 | 0.0 | 6 | 23 | 2 | 5 | sw. | Fridolin Tembreul. |
| Crookston | Polk | 863 | 20 | 70.0 | + 6.4 | 99 | 20† | 29 | 2 | 37 | 0.62 | − 3.02 | 0.27 | 0.0 | 4 | 22 | 1 | 7 | s. | A. G. Andersen. |
| Detroit | Becker | 1,364 | 14 | 67.6 | + 5.7 | 97 | 16† | 30 | 2 | 45 | 1.97 | − 2.30 | 0.99 | 0.0 | 5 | 20 | 7 | 3 | se. | George W. Peoples. |
| Fairmont (near) | Martin | 1,240 | 23 | 68.3 | + 2.3 | 92 | 20† | 41 | 2† | 27 | 3.93 | − 0.37 | 1.23 | 0.0 | 8 | 18 | 9 | 3 | s. | W. F. Wherland. |
| Faribault | Rice | 1,003 | 13 | 68.4 | + 3.3 | 96 | 22† | 35 | 7 | 40 | 0.39 | − 4.54 | 0.23 | 0.0 | 3 | 21 | 5 | 4 | s. | Dr. A. R. T. Wylie. |
| Farmington | Dakota | 902 | 22 | 71.0 | + 5.1 | 100 | 22† | 35 | 2 | 43 | 0.43 | − 3.63 | 0.18 | 0.0 | 4 | 19 | 5 | 6 | se. | D. F. Akin. |
| Fergus Falls | Ottertail | 1,210 | 18 | 69.8 | + 4.9 | 96 | 21 | 34 | 2 | 33 | 1.14 | − 2.73 | 0.30 | 0.0 | 8 | 22 | 4 | 4 | se. | Chas. E. Kissenger. |
| Fort Ripley | Crow Wing | 1,136 | 4 | 69.0 | | 98a | 20† | 41a | 5† | 41a | 1.87 | − 2.62 | 0.98 | 0.0 | 4 | 21a | 1a | 7a | s. | J. J. Tucker. |
| Fosston | Polk | 1,289 | 1 | 64.4 | | 96 | 27 | 29 | 1 | 46 | 0.59 | | 0.30 | 0.0 | 5 | 16 | 12 | 2 | se. | O. N. Hem. |
| Glencoe | McLeod | 1,000 | 14 | 68.2 | + 3.4 | 95 | 20† | 33 | 5 | 38 | 1.63 | − 2.78 | 0.68 | 0.0 | 4 | 17 | 10 | 3 | sw. | C. G. Selvig. |
| Grand Meadow | Mower | 1,338 | 23 | 68.6 | + 2.1 | 99 | 27 | 35 | 2 | 39 | 0.05 | − 5.57 | 0.03 | 0.0 | 2 | 23 | 5 | 2 | s. | C. F. Greening. |
| Hallock | Kittson | 815 | 11 | 68.4 | + 6.4 | 99 | 27 | 28 | 2 | 43 | 1.07 | − 2.69 | 0.30 | 0.0 | 7 | 21 | 3 | 6 | s. | D. A. Robertson. |
| Halstad | Norman | 870 | 4 | 68.6 | | 98 | 20 | 29 | 2 | 46 | 0.88 | | 0.40 | 0.0 | 7 | 19 | 4 | 7 | s. | Aaron G. Holstrom. |
| Hinckley | Pine | 1,050 | 5 | 67.2 | | 99 | 23 | 29 | 5 | 46 | 1.94 | | 1.53 | 0.0 | 3 | 17 | 12 | 1 | s. | W. R. Newman. |
| International Falls | Koochiching | 1,112 | 2 | 67.4 | | 99 | 21 | 34 | 2 | 46 | 1.63 | | 0.42 | 0.0 | 6 | 19 | 8 | 3 | sw. | Rees Roe. |
| Kelliher | Beltrami | | 3 | 67.0 | | 97 | 21 | 34 | 2 | 42 | 1.29 | | 0.36 | 0.0 | 4 | 19 | 9 | 2 | sw. | A. Gilmour. |
| Lake Crystal | Blue Earth | | 3 | 67.6 | | 92 | 20† | 41 | 2† | 32 | 1.95 | | 0.58 | 0.0 | 6 | 22 | 3 | 5 | s. | W. P. Cobb. |
| Leech Lake Dam | Cass | 1,301 | 22 | 65.2 | + 2.6 | 95 | 21 | 34 | 7 | 44 | 0.96 | − 3.44 | 0.28 | 0.0 | 8 | 13 | 15 | 2 | s. | Hans Olson. |
| Little Falls | Morrison | 1,117 | 4 | | | | | | | | | | | | | | | | | Maurice Coleman. |
| Little Fork | Koochiching | | | 65.8 | | 98 | 28 | 29 | 3 | 47 | 1.15 | | 0.50 | 0.0 | 5 | 22 | 8 | 0 | | O. C. Olson. |
| Long Prairie | Todd | 1,299 | 18 | | | | | | | | | | | | | | | | | R. M. Sheets. |
| Lynd (2) | Lyon | 1,175 | 18 | 66.3 | + 1.1 | 92 | 21 | 35 | 5 | 33 | 6.10 | + 2.07 | 3.30 | 0.0 | 5 | 20 | 4 | 6 | sw. | J. W. Rouse. |
| Mankato | Blue Earth | 747 | 11 | | | | | | | | 1.93 | − 3.91 | 0.51 | 0.0 | 8 | | | | sw. | Sadie H. Blake. |
| Mapleplain | Hennepin | 1,023 | 18 | | | | | | | | | | | | | | | | | G. W. Richards. |
| Milaca | Millelacs | 1,072 | 13 | 65.8 | + 4.0 | 97 | 21† | 30 | 5 | 46 | 1.15 | − 3.66 | 0.56 | 0.0 | 6 | 13 | 14 | 3 | sw. | C. H. Foss. |
| Milan | Chippewa | 955 | 16 | 66.5 | + 1.6 | 93 | 20† | 32 | 2 | 35 | 1.57 | − 2.24 | 0.65 | 0.0 | 6 | 13 | 14 | 3 | se. | O. K. Opjorden. |
| Minneapolis | Hennepin | 918 | 19 | 71.2 | + 3.8 | 96 | 20 | 37 | 2 | 29 | 1.24 | − 2.77 | 0.98 | 0.0 | 7 | 19 | 3 | 8 | s. | U. S. Weather Bureau. |
| Montevideo | Chippewa | 900 | 23 | 68.8 | + 2.8 | 96 | 18 | 35 | 2 | 34 | 1.34 | − 2.75 | 0.68 | 0.0 | 8 | 15 | 11 | 4 | se. | Lloyd G. Moyer. |
| Moorhead | Clay | 935 | 29 | 69.1 | + 4.8 | 98 | 20 | 32 | 2 | 39 | 0.83 | − 3.30 | 0.34 | 0.0 | 8 | 20 | 7 | 3 | s. | U. S. Weather Bureau. |
| Mora | Kanabec | | 5 | 67.1 | | 99 | 21† | 29 | 5 | 50 | 1.68 | | 0.86 | 0.0 | 6 | 22 | 4 | 4 | sw. | Hans Peterson. |
| Morris | Stevens | 1,170 | 25 | 68.2 | + 2.6 | 96 | 21 | 31 | 2 | 36 | 2.98 | − 0.89 | 1.54 | 0.0 | 6 | 24 | 3 | 3 | s. | D. T. Wheaton. |
| New London | Kandiyohi | 1,215 | 16 | 67.4 | + 2.6 | 96 | 20 | 30 | 2 | 42 | 2.89 | − 0.94 | 1.30 | 0.0 | 8 | 18 | 8 | 4 | se. | Harold Swenson. |
| New Richland | Waseca | 1,180 | 16 | 69.2 | + 2.5 | 96 | 20 | 38 | 7 | 35 | 0.48 | | 0.19 | 0.0 | 3 | 21 | 5 | 4 | nw. | N. O. Tyrholm. |
| New Ulm | Brown | 791 | 30 | 70.7 | + 1.7 | 100 | 20 | 39 | 2 | 37 | 2.21 | − 2.66 | 0.61 | 0.0 | 8 | 22 | 1 | 7 | s. | Andrew J. Eckstein. |
| Oaskis | Douglas | 1,343 | 3 | 66.8 | | 94 | 20† | 33 | 5 | 35 | 1.40 | | 0.43 | 0.0 | 8 | 22 | 2 | 6 | s. | J. B. Johnson. |
| Park Rapids | Hubbard | 1,426 | 20 | 68.5 | + 5.9 | 99 | 21 | 35 | 2 | 42 | 0.70 | − 3.73 | 0.28 | 0.0 | 6 | 21 | 2 | 7 | s. | Dr. P. A. Walling. |
| Pine River Dam | Crow Wing | 1,251 | 23 | 68.4 | + 4.5 | 98 | 21 | 34 | 5 | 44 | 1.35 | − 3.56 | 0.60 | 0.0 | 4 | 19 | 8 | 3 | s. | Neil McKay. |
| Pokegama Falls | Itasca | 1,280 | 23 | 65.6 | + 4.0 | 96 | 23 | 32 | 5 | 46 | 1.68 | − 2.83 | 0.83 | 0.0 | 6 | 16 | 10 | 4 | sw. | Arthur L. Mampel. |
| Red Lake | Beltrami | 1,152 | 2 | 68.4 | | 97 | 20† | 37 | 2† | 37 | 1.06 | | 0.59 | 0.0 | 3 | 18 | 10 | 2 | s. | A. C. Goddard. |
| Red Wing | Goodhue | 680 | 14 | | | | | | | | 0.44 | − 3.77 | 0.34 | 0.0 | 2 | | | | se. | Louis Bach. |
| Redwood Falls | Redwood | 1,050 | 3 | 68.6 | | 95 | 20 | 37 | 5 | 37 | 3.24 | − 1.97 | 1.62 | 0.0 | 7 | 21 | 6 | 3 | sw. | N. B. Anderson. |
| Reeds Landing | Wabasha | 681 | 15 | | | | | | | | 0.14 | − 4.21 | 0.14 | 0.0 | 1 | | | | se. | John Deschneau. |
| Rochester | Olmsted | 991 | 6 | 68.3a | | 98a | 29 | 35a | 8 | 42a | T. | | T. | 0.0 | 0 | 16a | 6a | 5a | s. | S. R. Case. |
| Roseau | Roseau | 1,040 | 3 | 67.3 | | 98 | 27 | 30 | 2 | 46 | 2.18 | | 1.00 | 0.0 | 5 | 24 | 4 | 2 | sw. | A. Waag. |
| St. Charles | Winona | 850 | 19 | 68.7 | + 2.1 | 98a | 29† | 36a | 7 | 42a | 0.08 | − 5.34 | 0.06 | 0.0 | 2 | 23 | 4 | 3 | n. | S. W. Gleason. |
| St. Cloud | Sherburne | 1,020 | 32 | 69.2 | + 3.8 | 96 | 20 | 33 | 2 | 36 | 1.85 | − 2.42 | 1.15 | 0.0 | 6 | 20 | 5 | 5 | s. | Jos. H. Capser. |
| St. Paul | Ramsey | 837 | 39 | 71.4 | + 4.0 | 98 | 20 | 38 | 2 | 32 | 0.91 | − 3.50 | 0.52 | 0.0 | 5 | 19 | 7 | 4 | sw. | U. S. Weather Bureau. |
| St. Peter | Nicollet | 825 | 17 | 67.6 | + 0.6 | 98 | 20† | 37 | 2† | 50 | 1.18 | − 3.64 | 0.55 | 0.0 | 4 | 16 | 8 | 6 | s. | Chas. C. Cavanaugh. |
| Sandy Lake Dam | Aitkin | 1,234 | 17 | 66.6 | + 4.0 | 97 | 20 | 33 | 5 | 41 | 1.60 | − 2.22 | 0.80 | 0.0 | 8 | 24 | 2 | 4 | sw. | U. S. Engineer Corps. |
| State Sanatorium | Cass | | 3 | 72.3 | | 95 | 21† | 35 | 2 | 46 | 0.86 | | 0.42 | 0.0 | 6 | 24 | 2 | 4 | s. | Walter J. Marcley. |
| Stillwater | Washington | 694 | 5 | | | | | | | | 0.67 | | 0.30 | 0.0 | 5 | | | | sw. | Oscar Ostrom. |

TABLE 1.—*Climatological data for June, 1910. District No. 5*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Minnesota*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Taylors Falls | Chisago | 759 | 3 | 69.4 | ..... | 98 | 23† | 36 | 2 | 42 | 2.70 | ..... | 1.10 | 0.0 | 3 | 22 | 4 | 4 | s. | Mpls. Gen. Elec. Co. |
| Warroad | Roseau | 1,069 | 1 | 66.2 | ..... | 95 | 20† | 31 | 6 | 40 | 1.67 | ..... | 0.93 | T. | 5 | 26 | 1 | 3 | e. | John H. Sawyer. |
| West Concord | Dodge | 1,232 | 1 | 68.5 | ..... | 97 | 29 | 37 | 2 | 37 | 0.04 | ..... | 0.04 | 0.0 | 1 | 19 | 6 | 5 | sw. | H. H. Orcutt. |
| Willow River | Pine | 1,046 | 12 | | | | | | | | | | | | | | | | | J. A. Brandt. |
| Windom | Cottonwood | 1,336 | 4 | 67.0 | ..... | 95 | 29 | 33 | 5 | 42 | 2.99 | ..... | 1.30 | 0.0 | 7 | 14 | 10 | 6 | se. | Taber C. Richmond. |
| Winnebago | Faribault | 1,100 | 11 | 69.4 | + 2.6 | 98 | 20 | 41 | 7 | 38 | 2.61 | − 2.54 | 1.03 | 0.0 | 7 | 21 | 6 | 3 | se. | H. H. Haight. |
| Winnibigoshish | Itasca | 1,300 | 22 | 68.3 | + 5.7 | 97 | 27 | 35 | 2 | 39 | 0.84 | − 3.20 | 0.34 | 0.0 | 6 | 21 | 7 | 2 | s. | John Duncan. |
| Winona | Winona | 700 | 15 | 71.8 | + 3.7 | 102 | 30 | 41 | 3† | 39 | 0.25 | − 3.55 | 0.22 | 0.0 | 3 | 21 | 4 | 5 | sw. | Perry C. Myers. |
| Worthington | Nobles | 979 | 15 | 66.4 | + 1.5 | 95 | 23 | 34 | 5 | 45 | 3.23 | − 1.50 | 1.44 | 0.0 | 6 | 22 | 2 | 6 | s. | W. I. Carpenter |
| Zumbrota | Goodhue | 917 | 15 | | | | | | | | | | | | | | | | | W. C. Rowell. |
| *South Dakota.* | | | | | | | | | | | | | | | | | | | | |
| Milbank | Grant | 1,148 | 18 | 66.6 | + 1.5 | 95 | 22 | 30 | 2 | 35 | 3.33 | − 0.89 | 1.34 | 0.0 | 9 | 19 | 1 | 10 | nw. | I. T. Patridge. |
| *Wisconsin.* | | | | | | | | | | | | | | | | | | | | |
| Antigo | Langlade | 1,489 | 16 | | | 99 | 29 | 32 | 11 | 50 | 0.34 | ..... | 0.34 | 0.0 | 1 | 22 | 3 | 5 | sw. | Elton C. Larzelere. |
| Barron | Barron | 1,115 | 18 | 66.6 | + 3.2 | 97 | 23 | 33 | 7 | 42 | 0.74 | − 4.05 | 0.36 | 0.0 | 3 | 24 | 5 | 1 | sw. | Wm. A. Kent. |
| Beloit | Rock | 750 | 23 | 67.4 | − 0.6 | 95[a] | 23† | 38 | 7 | 35[a] | 2.03 | − 2.02 | 0.70 | 0.0 | 4 | 23 | 1 | 6 | nw. | Smith Observatory. |
| Brodhead | Green | 812 | 12 | 68.4 | + 0.8 | 101 | 30 | 36 | 1 | 40 | 1.65 | − 1.88 | 0.75 | 0.0 | 4 | 21 | 8 | 1 | sw. | Hecktore D. Kirkpatrick |
| Burnett | Dodge | 880 | 6 | 66.2 | ..... | 98 | 30 | 38 | 2 | 41 | 0.63 | ..... | 0.18 | T. | 5 | 24 | 3 | 3 | sw. | Geo. W. Smith. |
| Delavan | Walworth | 920 | 17 | 66.4 | − 1.0 | 98 | 30 | 37 | 1 | 37 | 1.24 | − 2.22 | 0.72 | 0.0 | 6 | 22 | 5 | 3 | s. | Elwood S. Austin. |
| Dodgeville | Iowa | 1,116 | 11 | | | | | | | | | | | | | | | | | Geo. W. Butler |
| Downing | Dunn | 983 | 8 | 66.6 | + 2.2 | 98 | 30† | 32 | 7 | 48 | 0.65 | − 4.06 | 0.65 | 0.0 | 1 | 17 | 7 | 6 | se. | Eugene F. Stoddard. |
| Eau Claire | Eau Claire | 800 | 19 | 69.5 | + 2.7 | 98 | 29 | 39 | 1† | 37 | 0.59 | − 4.07 | 0.48 | 0.0 | 3 | 23 | 4 | 3 | ne. | Robert D. Whitford |
| Ellsworth | Pierce | 1,068 | 2 | | | | | | | | | | | | | | | | | Henry G. Wood. |
| Glidden | Ashland | 1,519 | 18 | 65.0 | + 2.3 | 97 | 29† | 26 | 1 | 46 | 0.67 | − 3.44 | 0.40 | 0.0 | 5 | 24 | 4 | 2 | sw. | George Sell. |
| Grand Rapids | Wood | 1,021 | 11 | 67.0 | + 0.7 | 100 | 28 | 36 | 1 | 43 | 0.65 | − 2.47 | 0.45 | 0.0 | 3 | 17 | 11 | 2 | sw. | Willis B. Raymond. |
| Grantsburg | Burnett | 1,095 | 19 | 69.8 | + 5.0 | 101 | 18 | 34 | 2 | 46 | 1.85 | − 2.95 | 1.00 | 0.0 | 2 | 23 | 5 | 2 | ne. | Theodore Olsen. |
| Hancock | Waushara | 1,091 | 18 | 69.4 | + 2.8 | 102 | 30 | 36 | 1 | 41 | 0.66 | − 3.59 | 0.58 | 0.0 | 2 | 21 | 6 | 3 | se. | Frederick B. Hamilton. |
| Hatfield | Jackson | 973 | 15 | 67.2 | + 0.3 | 100 | 22† | 32 | 1 | 45 | 0.50 | − 4.00 | 0.32 | 0.0 | 3 | 23 | 3 | 4 | s. | Walter S. Woods. |
| Hayward | Sawyer | 1,197 | 19 | 66.6 | + 3.2 | 96 | 29† | 31 | 1 | 47 | 1.04 | − 3.09 | 0.55 | 0.0 | 3 | 18 | 8 | 4 | n. | William E. Swain. |
| Hillsboro | Vernon | 1,000 | 19 | 65.1 | 0.0 | 98 | 23 | 29 | 1 | 46 | 0.34 | − 4.13 | 0.12 | 0.0 | 3 | 21 | 8 | 1 | sw. | Emil V. Wernick. |
| Koepenick | Langlade | 1,683 | 20 | 63.0 | − 1.5 | 99 | 29 | 28 | 11 | 46 | 0.91 | − 3.05 | 0.58 | T. | 4 | ..... | ..... | ..... | n. | Edward S. Koepenick. |
| La Crosse | La Crosse | 714 | 38 | 69.8 | + 1.7 | 100 | 30 | 40 | 7 | 37 | 0.37 | − 4.06 | 0.27 | 0.0 | 4 | 19 | 6 | 5 | s. | U. S. Weather Bureau. |
| Lake Mills | Jefferson | 897 | 19 | 67.6 | + 1.0 | 96 | 30 | 39 | 1 | 36 | 1.53 | − 2.61 | 0.48 | 0.0 | 6 | 19 | 10 | 1 | n. | S. Newton Dexter Smith |
| Lancaster | Grant | 1,070 | 20 | 68.2 | + 0.6 | 98[a] | 30 | 39[a] | 3 | 36[a] | 1.03 | − 3.12 | 0.42 | 0.0 | 5 | 22 | 4 | 4 | sw. | Edward Pollock. |
| Long Lake | Oneida | 1,592 | 2 | 62.3 | ..... | 99 | 29 | 25 | 3† | 54 | 0.50 | ..... | 0.36 | 0.0 | 4 | 23 | 2 | 5 | n. | Louie Frank. |
| Madison | Dane | 974 | 32 | 68.8 | + 2.0 | 97 | 30 | 40 | 2 | 28 | 1.31 | − 2.79 | 0.39 | 0.0 | 7 | 20 | 6 | 4 | nw. | U. S. Weather Bureau. |
| Mather | Juneau | 962 | 6 | 65.7 | ..... | 101 | 29 | 31 | 7 | 50 | 0.30 | ..... | 0.22 | 0.0 | 4 | 21 | 2 | 7 | e. | Frank Evans. |
| Mauston | ....do | 882 | 14 | 69.6 | + 4.2 | 97 | 23 | 35 | 1 | 47 | 0.68 | − 3.90 | 0.40 | 0.0 | 3 | 23 | 5 | 2 | se. | Eugene L. Hitchcock. |
| Meadow Valley | ....do | 974 | 19 | 67.1 | + 1.7 | 104 | 30 | 31 | 1 | 51 | 0.37 | − 3.76 | 0.22 | 0.0 | 4 | 12 | 16 | 2 | se. | Charles H. Johnson. |
| Medford | Taylor | 1,420 | 19 | 66.4 | + 1.3 | 98 | 29 | 32 | 1† | 42 | 0.92 | − 4.18 | 0.45 | T. | 4 | 25 | 4 | 1 | w. | William Zeit. |
| Merrill | Lincoln | 1,267 | 4 | 67.6 | ..... | 100 | 29 | 33 | 1† | 51 | 0.56 | ..... | 0.30 | T. | 4 | 23 | 4 | 3 | sw. | Frank M. McElroy. |
| Minocqua | Vilas | 1,604 | 6 | 65.0 | ..... | 99 | 29 | 32 | 1† | 46 | 0.33 | ..... | 0.25 | 0.0 | 2 | 23 | 6 | 1 | s. | Benjamin W. Applebee. |
| Mondovi | Buffalo | 738 | 2 | 67.6 | ..... | 100 | 29 | 34 | 7 | 43 | 0.31 | ..... | 0.20 | 0.0 | 3 | 21 | 6 | 3 | nw. | Dr. Charles Hebard. |
| Mount Horeb | Dane | 1,226 | 6 | 68.2 | ..... | 99 | 30 | 40 | 2† | 35 | 1.10 | ..... | 0.25 | 0.0 | 9 | 20 | 8 | 2 | w. | W. M. Lewis. |
| Muscoda | Grant | 666 | 1 | 69.8 | ..... | 102 | 28 | 38 | 1 | 44 | 1.24 | ..... | 0.52 | 0.0 | 5 | 17 | 7 | 6 | ..... | Henry Eckstein. |
| Neillsville | Clark | 996 | 21 | 68.6 | + 3.7 | 104 | 29 | 32 | 1 | 45 | 0.51 | − 4.40 | 0.27 | 0.0 | 2 | 23 | 7 | 0 | nw. | William Heaslett. |
| New Richmond | St. Croix | 990 | 5 | 69.7 | ..... | 100 | 29† | 35 | 2 | 45 | 0.30 | ..... | 0.26 | 0.0 | 2 | 21 | 6 | 3 | sw. | Franc A. R. Van Meter. |
| Osceola | Polk | 806 | 19 | 69.5 | + 4.8 | 102 | 23 | 35 | 7 | 48 | 0.90 | − 3.85 | 0.35 | 0.0 | 3 | 21 | 2 | 7 | s. | Charles W. Staples. |
| Portage | Columbia | 809 | 14 | 69.6 | + 2.9 | 99 | 30† | 39 | 1 | 41 | 0.88 | − 3.23 | 0.50 | 0.0 | 4 | 23 | 6 | 1 | sw. | James Clear. |
| Prairie du Chien | Crawford | 690 | 23 | 69.6 | + 0.2 | 100 | 23 | 30 | 7 | 42 | 3.02 | − 1.22 | 2.30 | 0.0 | 5 | 20 | 3 | 7 | s. | Jas. A. Gillis. |
| Prentice | Price | 1,551 | 12 | 63.2 | + 1.1 | 96 | 29† | 24 | 1 | 46 | 0.51 | − 4.58 | 0.51 | 0.0 | 1 | 17 | 9 | 4 | s. | Joseph G. Lash. |
| Rhinelander | Oneida | 1,550 | 4 | 65.7 | ..... | 98 | 29† | 33 | 11 | 43 | 0.53 | ..... | 0.30 | 0.0 | 5 | 20 | 5 | 5 | sw. | John Lind. |
| Sauk City | Sauk | 758 | 2 | | | | | | | | | | | | | | | | | Kilien Derleth. |
| Shullsburg | Lafayette | 1,019 | 4 | 66.8 | ..... | 95 | 30 | 36 | 7 | 35 | 1.89 | ..... | 0.61 | 0.0 | 6 | 19 | 8 | 3 | nw. | Harrison B. Chamberlin. |
| Solon Springs | Douglas | 1,083 | 4 | 65.9 | ..... | 97 | 29 | 32 | 3 | 46 | 1.20 | ..... | 1.10 | 0.0 | 2 | 26 | 0 | 4 | sw. | John M. Sayles. |
| Spooner | Washburn | 1,104 | 15 | 68.6 | + 4.7 | 99 | 23 | 37 | 2† | 40 | 1.25 | − 2.54 | 1.00 | 0.0 | 4 | 25 | 2 | 3 | s. | Horace A. Bresee. |
| Stanley | Chippewa | 1,082 | 6 | 65.4 | ..... | 97 | 29† | 31 | 1 | 42 | 0.34 | ..... | 0.22 | 0.0 | 3 | 24 | 6 | 0 | sw. | W. Humphrey Scott. |
| Stevens Point | Portage | 1,113 | 17 | 68.9 | + 3.4 | 101[b] | 30 | 35[b] | 1 | 45[b] | 1.11 | − 3.06 | 1.01 | 0.0 | 2 | 17[b] | 5[b] | 6[b] | sw. | Garry E. Culver. |
| Valley Junction | Monroe | 930 | 18 | 67.4 | + 2.1 | 101 | 30 | 33 | 7 | 46 | 0.54 | − 3.60 | 0.19 | 0.0 | 4 | 21 | 5 | 4 | nw. | Frederick Muermann. |
| Viroqua | Vernon | 1,412 | 19 | 70.7 | + 5.0 | 100 | 30 | 38 | 3 | 36 | 0.25 | − 4.18 | 0.09 | 0.0 | 7 | 22 | 5 | 3 | sw. | Henry E. Rogers. |
| Vudesare | Vilas | 1,600 | 2 | 63.4 | ..... | 96 | 29† | 29 | 3 | 46 | T. | ..... | T. | 0.0 | 0 | 24 | 4 | 2 | w. | Louis L. Thomas. |
| Watertown | Jefferson | 824 | 19 | 66.8 | + 0.6 | 93 | 23 | 41 | 3† | 36 | 1.83 | − 2.05 | 0.70 | 0.0 | 5 | 21 | 8 | 9 | sw. | Charles J. Salick. |
| Waukesha | Waukesha | 864 | 14 | 66.6 | + 0.5 | 96 | 30 | 37 | 2 | 42 | 1.68 | − 1.71 | 0.70 | 0.0 | 6 | 20 | 9 | 1 | e. | Carroll College. |
| Wausau | Marathon | 1,212 | 17 | 67.9 | + 3.3 | 98 | 29 | 37 | 2 | 37 | 0.94 | − 3.24 | 0.37 | 0.0 | 3 | 24 | 6 | 0 | n. | George H. Halder. |
| Weyerhaeuser | Rusk | 1,297 | 3 | 65.2 | ..... | 97 | 23 | 30 | 7 | 45 | 1.91 | ..... | 1.41 | 0.0 | 4 | 21 | 7 | 2 | nw. | Miss Etta Stiles. |
| Whitehall | Trempealeau | 675 | 18 | 67.4 | + 1.2 | 98 | 29† | 32 | 1 | 45 | 0.20 | − 4.10 | 0.20 | 0.0 | 1 | 24 | 0 | 6 | w. | Henry A. Towner. |
| *Iowa.* | | | | | | | | | | | | | | | | | | | | |
| Albia‖ | Monroe | 950 | 12 | 68.7 | − 0.9 | 94 | 30 | 44 | 5 | 31 | 1.72 | − 3.14 | 0.95 | 0.0 | 8 | 20 | 4 | 6 | sw. | J. I. Chenoweth. |
| Algona‖ | Kossuth | 1,213 | 36 | 69.2 | + 0.7 | 94 | 19† | 41 | 2 | 40 | 3.56 | − 0.84 | 1.73 | 0.0 | 9 | 22 | 3 | 5 | se. | Dr. F. T. Seeley. |
| Alta | Buena Vista | 1,513 | 19 | 68.8 | + 1.2 | 95 | 20 | 39 | 5 | 34 | 2.27 | − 2.95 | 1.08 | 0.0 | 7 | 16 | 11 | 3 | se. | David E. Hadden. |
| Amana | Iowa | 721 | 34 | 69.1 | + 0.3 | 97 | 30 | 39 | 7 | 38 | 1.72 | − 2.69 | 0.75 | 0.0 | 7 | 22 | 4 | 4 | ne. | C. Schadt. |
| Ames | Story | 926 | 34 | 68.8 | − 0.6 | 95 | 18 | 40[b] | 7 | 33[b] | 2.88 | − 1.65 | 1.04 | 0.0 | 7 | 15 | 12 | 3 | s. | Iowa State College. |
| Baxter‖ | Jasper | 998 | 10 | 69.5 | + 1.9 | 98 | 19† | 40 | 7 | 37 | 2.52 | − 1.98 | 0.93 | 0.0 | 10 | 18 | 9 | 3 | ne. | W. R. Vandike. |
| Belleplaine | Benton | 828 | 20 | 69.0 | − 0.1 | 96 | 20 | 40 | 7 | 39 | 1.68 | − 2.49 | 0.65 | 0.0 | 7 | 17 | 7 | 6 | se. | S. P. Van Dike. |
| Belmond | Wright | ..... | ..... | 68.4 | ..... | 95 | 20† | 41 | 7 | 36 | 3.05 | ..... | 1.63 | 0.0 | 9 | 11 | 14 | 5 | se. | Geo. P. Hardwick. |
| Bloomfield‖ | Davis | ..... | 3 | | | | | | | | | | | | | | | | | C. R. Davis. |
| Bonaparte‖ | Van Buren | ..... | 19 | 69.4 | − 1.8 | 95 | 26† | 43 | 3 | 33 | 1.33 | − 3.35 | 0.36 | 0.0 | 6 | ..... | ..... | ..... | ..... | B. R. Vale. |
| Boone | Boone | 1,134 | 5 | 70.2 | ..... | 98 | 18† | 42 | 4 | 31 | 3.21 | ..... | 1.57 | 0.0 | 5 | 21 | 2 | 7 | ..... | Carl Fritz Henning. |
| Britt‖ | Hancock | 1,236 | 13 | 67.8 | + 0.7 | 94 | 20 | 39 | 7 | 38 | 4.02 | − 0.06 | 1.68 | 0.0 | 8 | 19 | 7 | 4 | s. | L. M. Goodman. |
| Buckingham | Tama | ..... | 10 | | | | | | | | | | | | | | | | | W. A. Daniel. |
| Burlington | Des Moines | 544 | 14 | 71.2 | + 0.7 | 98 | 30 | 44 | 3† | 33 | 3.07 | − 2.01 | 1.96 | 0.0 | 9 | 22 | 5 | 3 | se. | Max E. Poppe, jr. |
| Carroll | Carroll | 1,265 | 20 | 68.6 | 0.0 | 97 | 17 | 39 | 5 | 36 | 3.61 | − 1.06 | 1.32 | 0.0 | 8 | 18 | 6 | 6 | e. | Mrs. Jos. J. Wolfe. |
| Cedar Rapids | Linn | 733 | 28 | 71.3 | + 1.0 | 100 | 30 | 43 | 7 | 38 | 0.63 | − 3.24 | 0.46 | 0.0 | 3 | 19 | 3 | 8 | ne. | W. J. Greene. |
| Charles City | Floyd | 1,015 | 19 | 68.9 | + 0.1 | 96 | 28 | 38 | 7 | 39 | 0.61 | − 4.49 | 0.29 | 0.0 | 6 | 13 | 10 | 7 | se. | U. S. Weather Bureau. |
| Clear Lake‖ | Cerro Gordo | 1,241 | 12 | 69.8 | + 1.6 | 99 | 30 | 39 | 7 | 41 | 1.01 | − 3.83 | 0.95 | 0.0 | 2 | 25 | 2 | 3 | s. | Oscar Stevens |
| Clinton | Clinton | 593 | 43 | 69.8 | + 0.1 | 102 | 30 | 38 | 1 | 42 | 0.55 | − 3.88 | 0.17 | 0.0 | 4 | 18 | 8 | 4 | ne. | Luke Roberts. |
| Columbus Junction‖ | Louisa | 595 | 9 | 70.2 | ..... | 95 | 18† | 40 | 7 | 32 | 2.87 | ..... | 1.22 | 0.0 | 8 | 23 | 5 | 2 | ne. | J. B. Johnston. |
| Davenport | Scott | 580 | 39 | 71.5 | + 0.6 | 99 | 30 | 43 | 2 | 29 | 0.91 | − 3.20 | 0.36 | 0.0 | 5 | 20 | 6 | 4 | e. | U. S. Weather Bureau. |
| Decorah | Winneshiek | 875 | 17 | 71.4 | + 4.0 | 105 | 29 | 38 | 7 | 45 | 0.05 | − 3.95 | 0.05 | 0.0 | 1 | ..... | ..... | ..... | ..... | F. H. Baker. |
| Delaware | Delaware | 1,083 | 19 | 69.2 | + 1.4 | 97 | 30 | 40 | 3 | 33 | 1.25 | − 2.93 | 0.47 | 0.0 | 5 | 18 | 8 | 4 | se. | William Ball. |
| Des Moines | Polk | 861 | 32 | 70.6 | + 0.2 | 93 | 18 | 46 | 2 | 30 | 3.11 | − 1.85 | 1.29 | 0.0 | 10 | 11 | 13 | 6 | se. | U. S. Weather Bureau. |
| De Soto‖ | Dallas | 866 | 10 | 69.4 | + 0.4 | 96 | 19 | 44 | 5 | 34 | 1.20 | − 3.17 | 0.85 | 0.0 | 3 | 24 | 2 | 4 | sw. | R. D. Minard. |
| Dubuque | Dubuque | 639 | 37 | 70.0 | + 0.4 | 98 | 30 | 43 | 7 | 32 | 2.43 | − 2.12 | 1.83 | 0.0 | 7 | 10 | 8 | 3 | nw. | U. S. Weather Buerau. |
| Eadham | Madison | ..... | 8 | 68.0 | ..... | 95 | 19 | 41 | 1† | 36 | 1.11 | ..... | 0.54 | 0.0 | 4 | 21 | 4 | 5 | se. | George Phillips. |
| Elkader | Clayton | 727 | 31 | 69.0 | + 1.3 | 100 | 30 | 37 | 6 | 46 | 2.01 | − 2.02 | 1.10 | 0.0 | 5 | 23 | 3 | 2 | se. | Chas. Reinecke. |
| Elma | Howard | ..... | 1 | 68.5 | ..... | 97 | 30 | 34 | 7 | 42 | 0.33 | ..... | 0.18 | 0.0 | 5 | 20 | 6 | 4 | se. | H. A. Moore. |
| Estherville | Emmet | 1,298 | 15 | 67.0 | + 0.2 | 94 | 20 | 38 | 7 | 35 | 5.51 | + 2.16 | 1.77 | 0.0 | 11 | 22 | 0 | 8 | s. | A. O. Peterson. |

TABLE 1—*Climatological data for June, 1910. District No. 5*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Iowa*—Cont'd. | | | | | | | | | | | | | | | | | | | |
| Fairfield | Jefferson | | 26 | 70.2 | + 0.3 | 95a | 19† | 44b | 3† | 35b | 0.75 | − 4.38 | 0.36 | 0.0 | 6 | 22 | 3 | 5 | n. | R. Monroe McKenzie. |
| Fayette§ | Fayette | 1,003 | 20 | 68.4 | + 1.1 | 98 | 30 | 36 | 7 | 45 | 1.27 | − 4.08 | 0.50 | 0.0 | 4 | 25 | 1 | 4 | se. | R. Z. Latimer. |
| Forest City§ | Winnebago | 1,226 | 16 | 68.8 | + 1.6 | 95 | 19† | 41 | 2 | 35 | 2.48 | − 2.15 | 1.00 | 0.0 | 7 | 25 | 2 | 3 | s. | J. A. Peters. |
| Fort Dodge | Webster | 1,126 | 10 | 69.6 | + 3.0 | 98 | 20 | 43 | 2† | 35 | 4.38 | + 0.57 | 2.05 | 0.0 | 8 | 20 | 1 | 9 | ..... | J. F. Monk. |
| Fort Madison | Lee | 516 | 61 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.31 | − 2.07 | 0.82 | 0.0 | 6 | 8 | 12 | 10 | s. | Miss L. A. McCready. |
| Gilman | Marshall | 1,052 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.01 | − 0.73 | 1.77 | 0.0 | 6 | ..... | ..... | ..... | ..... | J. L. Wylie. |
| Grand Meadow | Clayton | 1,180 | 19 | 67.4 | + 1.0 | 90 | 24† | 40 | 3† | 31 | 2.36 | − 2.24 | 2.10 | 0.0 | 6 | 22 | 3 | 5 | nw. | F. L. Williams. |
| Greene | Butler | ..... | 12 | 71.2 | + 3.1 | 103 | 19† | 38 | 7 | 46 | 1.08 | − 3.04 | 0.31 | 0.0 | 8 | 13 | 12 | 5 | w. | J. L. Cole. |
| Grinnell | Poweshiek | 1,023 | 18 | 71.4 | + 3.1 | 98 | 18† | 45 | 7 | 37 | 1.29 | − 3.19 | 0.91 | 0.0 | 5 | 18 | 7 | 5 | n. | D. W. Brainard |
| Grundy Center§ | Grundy | 976 | 19 | 68.8 | + 0.6 | 97 | 20† | 39 | 7 | 43 | 3.02 | − 2.28 | 1.70 | 0.0 | 6 | 19 | 1 | 10 | n. | J. B. Calderwood. |
| Guthrie Center§ | Guthrie | 1,077 | 15 | 69.8 | + 0.8 | 98 | 18 | 42 | 5 | 38 | 2.55 | − 1.86 | 1.51 | 0.0 | 10 | 23 | 2 | 5 | se. | D. G. Beardsley. |
| Hampton | Franklin | 1,155 | 20 | 70.4 | + 2.6 | 100 | 20 | 40 | 7 | 39 | 1.83 | − 3.08 | 0.65 | 0.0 | 8 | 16 | 8 | 6 | nw. | E. C. Grenelle. |
| Humboldt | Humboldt | 1,095 | 22 | 68.5 | − 0.3 | 95 | 18 | 38 | 7 | 37 | 3.92 | − 0.79 | 1.83 | 0.0 | 9 | 24 | 1 | 5 | se. | Henry S. Wells. |
| Independence§ | Buchanan | 921 | 46 | 68.4 | 0.0 | 98 | 24 | 39 | 7 | 38 | 1.49 | − 3.29 | 1.03 | 0.0 | 3 | 22 | 4 | 4 | se. | George Donohoe. |
| Indianola | Warren | 969 | 19 | 70.3 | + 0.6 | 94 | 15† | 46 | 5 | 35 | 1.56 | − 2.62 | 0.72 | 0.0 | 9 | 14 | 12 | 4 | ne. | John L. Tilton. |
| Iowa City | Johnson | 683 | 50 | 68.4 | − 0.9 | 97 | 30 | 37 | 7 | 38 | 0.98 | − 3.60 | 0.70 | 0.0 | 5 | 25 | 0 | 5 | nw. | A. G. Smith. |
| Iowa Falls | Hardin | 1,170 | 17 | 68.1 | + 0.6 | 97 | 20 | 38 | 7 | 41 | 2.84 | − 1.68 | 0.93 | 0.0 | 7 | 26 | 0 | 4 | nw. | J. B. Parmelee. |
| Jefferson§ | Greene | ..... | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | G. W. Jackson. |
| Keokuk | Lee | 547 | 39 | 71.8 | − 0.7 | 97 | 30 | 45 | 3 | 29 | 1.34 | − 3.01 | 0.60 | 0.0 | 7 | 20 | 8 | 2 | ne. | U. S. Weather Bureau. |
| Keosauqua | Van Buren | 644 | 18 | 69.7 | − 2.0 | 98 | 30 | 40 | 3 | 38 | 0.90 | − 3.65 | 0.41 | 0.0 | 5 | 7 | 16 | 7 | ..... | J. H. Landes. |
| Knoxville§ | Marion | 920 | 15 | 71.0 | − 0.6 | 96 | 22 | 45 | 3 | 37 | 3.71 | − 0.61 | 1.75 | 0.0 | 7 | 8 | 16 | 6 | ne | Casey & Belville. |
| Lacona | Warren | ..... | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.06 | − 2.95 | 0.94 | 0.0 | 7 | 13 | 15 | 2 | ..... | J. B. Alter. |
| Le Claire | Scott | 576 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.65 | − 3.44 | 0.19 | 0.0 | 5 | ..... | ..... | ..... | ..... | Miss M. T. Disney. |
| Marshalltown | Marshall | 947 | 18 | 68.8 | + 0.1 | 96 | 20† | 40 | 7† | 39 | 2.57 | − 1.79 | 0.88 | 0.0 | 7 | 24 | 2 | 4 | se. | Ralph B. Reasoner. |
| Mason City§ | Cerro Gordo | 1,132 | 13 | 67.4 | + 0.2 | 94 | 24† | 36 | 7 | 39 | 1.20 | − 4.69 | 0.48 | 0.0 | 5 | 20 | 7 | 3 | se | J. S. Mills. |
| Mount Pleasant§ | Henry | 729 | 29 | 71.0 | − 0.4 | 101 | 18 | 39a | 3 | 46a | 1.16 | − 3.32 | 0.65 | 0.0 | 6 | 19 | 8 | 3 | sw. | J. W. Edwards. |
| Muscatine | Muscatine | ..... | 50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.62 | − 2.24 | 1.45 | 0.0 | 6 | ..... | ..... | ..... | ..... | William Molis |
| New Hampton§ | Chickasaw | 1,169 | 13 | 69.1 | + 2.8 | 97 | 29† | 40 | 7† | 39 | 0.87 | − 3.38 | 0.37 | 0.0 | 5 | 22 | 5 | 3 | s. | A. F. Kemman. |
| Newton§ | Jasper | 944 | 22 | 70.6 | + 0.9 | 95 | 20 | 45 | 2 | 30 | 3.17 | − 1.42 | 1.35 | 0.0 | 4 | 17 | 9 | 4 | s. | J. P. Beatty. |
| Northwood§ | Worth | 1,222 | 14 | 70.6c | + 4.6 | 94c | 24 | 33c | 5 | 37c | 0.87 | − 4.01 | 0.38 | 0.0 | 5 | 21 | 5 | 4 | nw. | Chas. H. Dwelle. |
| Olin§ | Jones | 760 | 12 | 69.1 | + 0.9 | 99 | 30 | 38 | 7 | 43 | 1.46 | − 2.28 | 0.58 | 0.0 | 5 | 20 | 9 | 1 | ..... | C. M. Miles. |
| Osage | Mitchell | 1,184 | 23 | 69.8 | + 3.7 | 99 | 20† | 39 | 7 | 40 | 0.68 | − 3.85 | 0.37 | 0.0 | 3 | 21 | 4 | 5 | nw. | A. D. Bundy. |
| Oskaloosa§ | Mahaska | 843 | 34 | 70.0 | + 0.5 | 94 | 18† | 45 | 7 | 34 | 1.99 | − 2.12 | 1.05 | 0.0 | 5 | 24 | 1 | 5 | e. | Joseph Boyd. |
| Ottumwa | Wapello | 649 | 15 | 72.2 | + 1.0 | 99 | 30 | 47 | 5 | 34 | 1.01 | − 3.07 | 0.56 | 0.0 | 4 | 4 | 8 | 18 | se. | W. J. Mesmer. |
| Pella | Marion | 877 | 8 | 68.8 | ..... | 97 | 18† | 41 | 7 | 39 | 2.77 | ..... | 0.99 | 0.0 | 9 | 25 | 0 | 5 | nw. | John H. Ver Steeg. |
| Perry§ | Dallas | 975 | 9 | 70.0 | ..... | 96 | 18 | 43 | 5† | 36 | 2.25 | ..... | 0.94 | 0.0 | 10 | 13 | 13 | 4 | ..... | J. A. Harvey. |
| Plover | Pocahontas | 1,426 | 14 | 68.6 | + 1.0 | 99 | 24 | 38 | 5 | 40 | 5.24 | + 0.89 | 1.27 | 0.0 | 9 | 25 | 3 | 2 | se. | J. S. Smith. |
| Pocahontas§ | do | 1,248 | 6 | 67.1 | ..... | 95 | 20 | 39 | 5 | 41 | 3.67 | ..... | 0.99 | 0.0 | 9 | 19 | 6 | 5 | se. | F. E. Hronek. |
| Ridgeway§ | Winneshiek | 1,215 | 12 | 70.8 | + 2.5 | 100 | 28 | 40 | 3† | 38 | 0.19 | − 3.96 | 0.15 | 0.0 | 3 | 22 | 5 | 3 | s. | Arthur Betts. |
| Rockwell City§ | Calhoun | ..... | 14 | 69.6 | + 1.1 | 96 | 18† | 41 | 6 | 35 | 4.78 | + 0.52 | 2.23 | 0.0 | 5 | 24 | 3 | 3 | ..... | C. M. Randall. |
| Sac City | Sac | 1,278 | 34 | ..... | ..... | 93b | 19† | ..... | ..... | ..... | 1.39 | − 3.47 | 0.72 | 0.0 | 5 | ..... | ..... | ..... | ..... | E. N. Baily. |
| St. Charles§ | Madison | 1,070 | 9 | 70.3 | ..... | 94 | 18† | 45 | 2 | 28 | 1.26 | ..... | 0.41 | 0.0 | 6 | 22 | 6 | 2 | s. | R. D. Minard. |
| Sigourney§ | Keokuk | 877 | 14 | 69.6 | − 1.2 | 97 | 30 | 44 | 7† | 35 | 1.55 | − 2.43 | 0.53 | 0.0 | 8 | 4 | 24 | 2 | se. | J. T. Parker. |
| Stockport§ | Van Buren | ..... | 8 | 69.0 | ..... | 100 | 30 | 40 | 7 | 40 | 1.04 | ..... | 0.70 | 0.0 | 7 | 21 | 5 | 4 | e. | C. L. Beswick. |
| Storm Lake | Buena Vista | 1,440 | 21 | 68.6 | + 1.6 | 92 | 18 | 39 | 5 | 33 | 2.00 | − 2.79 | 0.73 | 0.0 | 9 | 18 | 8 | 4 | s. | S. B. Fracker. |
| Stuart | Guthrie | 1,216 | 11 | 70.6 | + 1.0 | 98 | 19 | 42b | 2 | 42 | 1.85 | − 2.48 | 1.05 | 0.0 | 4 | ..... | ..... | ..... | se. | J. P. Fox. |
| Tipton§ | Cedar | 807 | 11 | 73.8 | + 3.9 | 102 | 30 | 45 | 7 | 34 | 0.46 | − 3.48 | 0.28 | 0.0 | 4 | 25 | 4 | 1 | ne. | F. K. Gregg. |
| Toledo§ | Tama | 856 | 16 | 69.4 | + 0.2 | 95 | 24 | 42 | 2† | 35 | 2.43 | − 1.10 | 0.90 | 0.0 | 6 | 24 | 3 | 3 | se. | I. F. Giger. |
| Wapello§ | Louisa | 588 | 12 | 68.7 | − 0.9 | 90 | 19† | 41 | 3 | 38 | 2.91 | − 0.65 | 1.57 | 0.0 | 8 | 19 | 10 | 1 | se. | G. W. Schofield. |
| Washington | Washington | 769 | 28 | 70.0 | − 1.7 | 95 | 30 | 43 | 1 | 31 | 1.40 | − 2.11 | 0.60 | 0.0 | 5 | 16 | 12 | 2 | se. | Wm. A Cook. |
| Waterloo | Black Hawk | 862 | 27 | 70.0 | + 1.8 | 97 | 30 | 40 | 7 | 38 | 1.84 | − 2.02 | 0.76 | 0.0 | 8 | 21 | 6 | 3 | sw. | M. L. Newton. |
| Waukee | Dallas | 1,039 | 7 | 69.3 | ..... | 95 | 22 | 44 | 3† | 32 | 1.46 | ..... | 0.58 | 0.0 | 10 | 17 | 9 | 4 | sw. | Samuel F. Foft. |
| Waverly§ | Bremer | 948 | 14 | 68.6 | + 1.1 | 95 | 24 | 40 | 7 | 35 | 1.67 | − 2.58 | 0.68 | 0.0 | 9 | 16 | 10 | 4 | s. | H. S. Hoover. |
| Webster City§ | Hamilton | ..... | 5 | 69.4 | ..... | 101 | 19 | 39 | 6 | 42 | 4.95 | ..... | 1.48 | 0.0 | 8 | 21 | 7 | 2 | nw. | C. D. Carpenter. |
| West Bend§ | Palo Alto | 1,197 | 17 | 69.0 | + 1.6 | 97 | 24 | 38a | 2 | 37a | 3.25 | − 0.97 | 1.86 | 0.0 | 9 | 15 | 11 | 4 | se. | Joseph Dorweiler. |
| Whitten§ | Hardin | 1,036 | 13 | 69.0 | + 1.1 | 97 | 24 | 40 | 3 | 38 | 2.43 | − 1.90 | 0.72 | 0.0 | 8 | 19 | 7 | 4 | nw. | F. P. Butler. |
| Winterset§ | Madison | 1,129 | 19 | 70.0 | − 0.1 | 96 | 20 | 45 | 4† | 32 | 1.33 | − 4.50 | 0.45 | 0.0 | 5 | 14 | 9 | 7 | se. | Robert S. Cooper. |
| Zearing | Story | ..... | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Orley Reese. |
| *Missouri.* | | | | | | | | | | | | | | | | | | | |
| Gorin | Scotland | 700 | 24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.35 | − 2.38 | 0.67 | 0.0 | 6 | 17 | 5 | 8 | sw. | J. W. Pulliam. |
| Hannibal | Marion | 534 | 18 | 70.4 | − 2.9 | 92 | 30 | 46 | 3 | 30 | 4.39 | + 0.87 | 2.93 | 0.0 | 9 | 17 | 7 | 6 | sw. | U. S. Weather Bureau. |
| Louisiana | Pike | 500 | 32 | 69.0 | − 2.4 | 93 | 24 | 38 | 3 | 35 | 1.92 | − 2.27 | 0.52 | 0.0 | 9 | 14 | 11 | 5 | e. | J. T. Farrell. |
| Mexico | Audrain | 797 | 32 | 69.8 | − 3.7 | 93 | 19 | 41 | 7 | 32 | 4.21 | − 1.13 | 1.11 | 0.0 | 13 | 16 | 1 | 13 | se. | J. F. Llewellyn. |
| Steffenville | Lewis | 576 | 17 | 70.7 | − 0.9 | 93 | 30 | 44 | 3 | 30 | 1.41 | − 2.89 | 0.80 | 0.0 | 4 | 19 | 9 | 2 | ne. | Lewis Spriggs. |
| Sublett | Adair | 1,000 | 30 | 70.2 | − 1.4 | 94 | 19† | 47 | 1† | 34 | 3.10 | − 1.63 | 2.00 | 0.0 | 3 | 15 | 8 | 6 | s. | Frank Hall. |
| Warrenton | Warren | 865 | 20 | 70.6 | − 2.8 | 94 | 24 | 46 | 3 | 31 | 4.22 | − 0.32 | 1.37 | 0.0 | 10 | 13 | 2 | 15 | e. | Dr. J. H. Frick. |
| *Indiana.* | | | | | | | | | | | | | | | | | | | |
| Collegeville | Jasper | ..... | 11 | 66.2 | − 2.1 | 96 | 30† | 38 | 6 | 39 | 0.96 | − 2.69 | 0.41 | 0.0 | 4 | 0 | 13 | 17 | nw. | Prof. L. C. Klosterman. |
| Knox§ | Starke | 716 | 5 | 67.8 | ..... | 96 | 30 | 41 | 1† | 36 | 0.56 | ..... | 0.39 | 0.0 | 4 | 22a | 5a | 2a | ne. | W. R. R. Tatman. |
| Laporte | Laporte | 810 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. E. Hallinen. |
| Plymouth | Marshall | 790 | 7 | 65.6 | ..... | 94 | 30 | 39 | 3 | 36 | 0.76 | ..... | 0.35 | 0.0 | 5 | 18 | 11 | 1 | ne. | J. W. Siders. |
| *Illinois.* | | | | | | | | | | | | | | | | | | | |
| Aledo | Mercer | 738 | 10 | 69.8 | + 1.0 | 95 | 19† | 42 | 2† | 32 | 2.82 | − 0.85 | 1.22 | 0.0 | 7 | 17 | 10 | 3 | se. | Wm. B. Frew. |
| Alexander | Morgan | 670 | 17 | 70.2 | − 1.7 | 94 | 24 | 42 | 3 | 32 | 3.13 | − 0.59 | 1.22 | 0.0 | 11 | 13 | 12 | 5 | nw. | George H. Hall. |
| Antioch | Lake | 861 | 9 | 68.0 | ..... | 100 | 30 | 40 | 2† | 43 | 1.30 | ..... | 0.85 | 0.0 | 2 | 21 | 7 | 2 | ne. | J. C. James, jr. |
| Astoria | Fulton | 650 | 11 | 68.8 | + 0.2 | 93 | 19† | 41 | 3† | 32 | 2.82 | − 1.23 | 1.25 | 0.0 | 9 | 14 | 9 | 7 | nw. | Ed. V. Bohl. |
| Aurora | Kane | 687 | 31 | 67.6 | − 1.2 | 98 | 30 | 37 | 1 | 37 | 0.50 | − 3.24 | 0.46 | 0.0 | 2 | 18 | 7 | 5 | ne. | W. Holden. |
| Bement | Piatt | 700 | 3 | 70.8 | ..... | 97 | 19† | 37 | 3 | 37 | 1.67 | ..... | 1.15 | 0.0 | 6 | 17 | 8 | 5 | ne. | Rev. C. S. Adams. |
| Benton | Franklin | 598 | 8 | 72.1 | ..... | 93b | 24† | 44b | 6 | 32b | 1.90 | ..... | 0.85 | 0.0 | 5 | 8 | 12 | 10 | sw. | F. H. Stamper. |
| Bloomington | McLean | 840 | 19 | 70.9 | − 0.9 | 98 | 21† | 37 | 3 | 38 | 1.70 | − 2.00 | 1.17 | 0.0 | 7 | 18 | 8 | 4 | nw. | Prof. H. N. Pearce |
| Cairo | Alexander | 359 | 33 | 72.5 | − 2.7 | 94 | 20 | 50 | 3 | 26 | 2.05 | − 2.26 | 0.87 | 0.0 | 9 | 11 | 11 | 8 | ne. | U. S. Weather Bureau. |
| Carbondale | Jackson | 412 | .... | 72.0 | ..... | 97 | 24† | 42 | 3 | 38 | 8.58 | + 4.28 | 4.83 | 0.0 | 9 | 15 | 10 | 5 | sw. | State Normal University. |
| Carlinville | Macoupin | 663 | 20 | 70.6 | − 2.2 | 95 | 24 | 43 | 3 | 33 | 3.73 | − 0.64 | 1.07 | 0.0 | 13 | 14 | 13 | 3 | sw. | R. O. Purviance. |
| Chester | Randolph | 380 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.91 | ..... | 1.74 | 0.0 | 11 | 25 | 3 | 2 | nw. | F. A. Gollon, jr. |
| Clinton | Dewitt | 727 | .... | 69.1 | ..... | 95 | 19† | 37 | 3 | 35 | 1.51 | ..... | 1.12 | 0.0 | 7 | 24 | 2 | 4 | nw. | J. F. Ziegler. |
| Coatsburg | Adams | 763 | 18 | 71.7 | + 0.1 | 97 | 30 | 44 | 3 | 33 | 2.45 | − 1.88 | 0.90 | 0.0 | 5 | 16 | 8 | 6 | s. | Dr. J. R. Lambert. |
| Cobden | Union | 656 | 27 | 72.4 | − 2.2 | 95 | 19† | 47 | 3 | 31 | 4.29 | − 0.71 | 1.52 | 0.0 | 6 | 11 | 12 | 7 | n. | John Buck. |
| Dakota | Stephenson | 929 | 5 | 67.8 | ..... | 99 | 30 | 37 | 1 | 37 | 0.90 | ..... | 0.45 | 0.0 | 4 | 21 | 8 | 1 | e. | Rev. G. W. Kerstetter. |
| Decatur | Macon | 685 | 19 | 70.5 | − 1.3 | 97 | 19 | 40 | 3 | 36 | 3.27 | − 0.35 | 2.00 | 0.0 | 8 | 20 | 8 | 2 | se. | Prof. J. H. Coonradt. |
| Dixon | Lee | 725 | 20 | 69.0 | − 0.5 | 98 | 30 | 39 | 3 | 40 | 0.45 | − 3.00 | 0.18 | 0.0 | 4 | 22 | 7 | 1 | ..... | H. V. Bardwell. |
| Du Quoin | Perry | 459 | 22 | 72.2 | − 2.9 | 97 | 20 | 44 | 3 | 35 | 3.41 | − 0.25 | 1.00 | 0.0 | 10 | 17 | 9 | 4 | sw. | G. H. Knetzger. |
| Dwight | Livingston | 600 | 17 | 69.0 | − 0.7 | 97 | 23 | 38 | 1 | 37 | 3.00 | − 0.94 | 1.81 | 0.0 | 8 | 16 | 8 | 6 | ne. | Ed. O. Welch. |
| Galva | Henry | 842 | 18 | 70.6 | + 0.7 | 99 | 30 | 40 | 3 | 37 | 1.53 | − 2.35 | 0.54 | 0.0 | 8 | 20 | 3 | 7 | sw. | Prof. F. U. White. |
| Greenville | Bond | 635 | 32 | 71.8 | − 1.5 | 95 | 19† | 44 | 3 | 31 | 4.17 | − 0.74 | 1.76 | 0.0 | 10 | 11 | 12 | 7 | ne. | M. S. Oudyn. |
| Griggsville | Pike | 650 | 25 | 70.8 | − 1.8 | 91 | 24 | 44 | 3 | 27 | 2.74 | − 1.43 | 1.25 | 0.0 | 6 | 20 | 8 | 2 | se. | Geo. F. Kneeland. |
| Halfway | Williamson | 569 | 14 | 72.1 | − 2.6 | 97 | 20† | 43 | 3 | 33 | 2.76 | − 0.97 | 1.03 | 0.0 | 5 | 17 | 8 | 5 | ne. | E. L. Hearn. |
| Havana | Mason | 475 | 18 | 73.0 | − 0.6 | 99 | 30 | 43 | 3 | 36 | 2.24 | − 1.62 | 0.94 | 0.0 | 8 | 16 | 14 | 0 | ne. | F. & C. Borgelt. |

TABLE 1.—*Climatological data for June, 1910. District No. 5*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | |
| *Illinois*—Cont'd. | | | | | | | | | | | | | | | | | | | |
| Henry | Marshall | 500 | 22 | 70.2 | − 0.2 | 98 | 30 | 40 | 1 | 36 | 0.96 | − 3.20 | 0.35 | 0.0 | 6 | 17 | 8 | 5 | ne. | Dr. F. A. Powell. |
| Hillsboro | Montgomery | 675 | 16 | 70.0 | − 2.7 | 95 | 24 | 42 | 7 | 34 | 3.57 | − 0.54 | 0.85 | 0.0 | 9 | 18 | 5 | 7 | ne. | Ira L. Woodward. |
| Joliet | Will | 541 | 19 | 68.0 | − 1.3 | 95 | 30 | 41 | 1 | 34 | 0.81 | − 2.46 | 0.39 | 0.0 | 4 | 23 | 3 | 4 | ne. | F. M. Muhlig. |
| Kishwaukee | Winnebago | 730 | 22 | 68.0 | − 0.4 | 100 | 30 | 37 | 1 | 42 | 0.63 | − 3.49 | 0.31 | 0.0 | 5 | 19 | 9 | 2 | ne. | Geo. Stevens. |
| La Grange | Cook | 657 | 18 | 67.6 | − 0.5 | 97 | 30 | 41 | 1† | 42 | 1.06 | − 2.97 | 0.41 | 0.0 | 4 | 22 | 6 | 2 | sw. | Prof. F. E. Sanford. |
| La Harpe | Hancock | 698 | 31 | 68.4 | − 2.9 | 96 | 30 | 43 | 3† | 35 | 1.99 | − 2.35 | 0.59 | 0.0 | 8 | 20 | 6 | 4 | se. | Jno. S. Campbell. |
| Lanark | Carroll | 883 | 21 | 66.0 | − 1.8 | 99 | 30 | 32 | 1 | 45 | 0.71 | − 3.39 | 0.29 | 0.0 | 5 | 26 | 2 | 2 | se. | M. N. Wertz. |
| La Salle | La Salle | 536 | 33 | 70.0 | − 0.1 | 99 | 30 | 39 | 1 | 36 | 0.89 | − 3.10 | 0.27 | 0.0 | 8 | 19 | 6 | 5 | ne. | U. S. Weather Bureau. |
| Lincoln | Logan | 482 | 22 | 68.8 | − 2.7 | 93 | 19† | 38 | 3† | 36 | 1.33 | − 2.35 | 0.63 | 0.0 | 7 | 14 | 13 | 3 | w. | Prof. C. S. Oglevee. |
| Martinton | Iroquois | 633 | 23 | 69.6 | − 0.2 | 98 | 22 | 39 | 1† | 37 | 1.25 | − 2.42 | 0.48 | 0.0 | 6 | 18 | 6 | 6 | ne. | Jos. H. Peltier. |
| Mascoutah | St. Clair | 425 | 20 | 72.6 | − 1.4 | 97 | 19† | 42 | 4 | 37 | 6.42 | + 1.87 | 2.87 | 0.0 | 9 | 14 | 13 | 3 | se. | Geo. Henrich. |
| Minonk | Woodford | 745 | 17 | 70.4 | + 0.3 | 100 | 23 | 38 | 1† | 40 | 4.07 | + 0.87 | 1.75 | 0.0 | 6 | 19 | 9 | 2 | ne. | O. M. Davison. |
| Monmouth | Warren | 784 | 18 | 70.7 | + 0.1 | 98 | 30 | 42 | 3† | 37 | 1.97 | − 1.75 | 0.86 | 0.0 | 9 | 19 | 10 | 1 | ne. | Hugh R. Moffet. |
| Morrison | Whiteside | 6[a]5 | 16 | 67.6 | − 0.9 | 97 | 30 | 37 | 7 | 42 | 0.40 | − 3.33 | 0.18 | 0.0 | 6 | 20 | 7 | 3 | ne. | S. A. Maxwell. |
| Morrisonville | Christian | 638 | 11 | 69.2 | − 1.2 | 93 | 24 | 41 | 3 | 34 | 3.77 | − 0.18 | 1.10 | 0.0 | 9 | 19 | 8 | 3 | nw. | J. D. Lowis. |
| Mount Vernon | Jefferson | 511 | 16 | 72.4 | − 1.6 | 98 | 24 | 42 | 3 | 37 | 1.75 | − 2.42 | 0.52 | 0.0 | 7 | 20 | 5 | 5 | e. | Theo. P. Stelle. |
| Oregon | Ogle | 702 | 1 | 67.4 | ..... | 98 | 30 | 36 | 1† | 42 | 0.20 | ..... | 0.20 | 0.0 | 1 | 20 | 3 | 7 | ne. | Samuel Ray. |
| Ottawa | La Salle | 500 | 24 | 69.6 | − 1.2 | 97 | 22† | 40 | 1† | 37 | 1.25 | − 2.34 | 0.43 | 0.0 | 5 | 20 | 5 | 5 | ne. | Miss M. M. Harris. |
| Pana | Christian | 692 | 24 | 70.2 | − 1.4 | 95 | 19 | 39 | 3 | 33 | 2.52 | − 1.58 | 0.65 | 0.0 | 8 | 25 | 3 | 2 | ne. | C. W. Sibley. |
| Peoria | Peoria | 609 | 33 | 69.8 | − 1.1 | 98 | 30 | 42 | 7 | 36 | 0.78 | − 3.52 | 0.23 | 0.0 | 7 | 16 | 11 | 3 | e. | U. S. Weather Bureau. |
| Pontiac | Livingston | 546 | 8 | 70.8 | ..... | 100 | 23 | 39 | 1† | 35 | 2.14 | ..... | 0.75 | 0.0 | 8 | 14 | 10 | 6 | sw. | Geo. Butterworth. |
| Riley | McHenry | 956 | 51 | 68.4 | + 1.3 | 97[b] | 30 | 37[b] | 2 | 40[b] | 0.80 | − 3.17 | 0.46 | 0.0 | 5 | 18 | 10 | 2 | ne. | John West James. |
| Rockford | Winnebago | 763 | 18 | 68.8 | − 0.4 | 98 | 30 | 40 | 3 | 39 | 0.72 | − 3.43 | 0.33 | 0.0 | 6 | 23 | 1 | 6 | ..... | Hosmer C. Porter. |
| Rushville | Schuyler | 670 | 19 | 69.5 | − 2.5 | 92 | 26† | 44 | 3 | 33 | 0.61 | − 3.01 | 0.23 | 0.0 | 7 | 15 | 12 | 3 | s. | H. F. Dyson. |
| St. Charles | Kane | 700 | 15 | 67.6 | − 1.2 | 98 | 30 | 36 | 1 | 44 | 0.74 | − 2.57 | 0.30 | T. | 4 | 18 | 12 | 0 | ne. | Dr. Wm. H. Bishop. |
| St. Peter | Fayette | 500 | 8 | 70.7 | ..... | 93 | 19† | 43 | 3 | 37 | 2.16 | ..... | 1.40 | 0.0 | 8 | 10 | 17 | 3 | nw. | M. L. Lansford. |
| Springfield | Sangamon | 644 | 33 | 71.8 | − 0.5 | 95 | 19 | 42 | 3 | 27 | 4.58 | + 0.27 | 1.61 | 0.0 | 10 | 14 | 10 | 6 | e. | U. S. Weather Bureau. |
| Streator | La Salle | 626 | 17 | 70.6 | + 0.1 | 99 | 22† | 37 | 3 | 41 | 2.98 | − 0.39 | 1.94 | 0.0 | 6 | 24 | 3 | 3 | sw. | Edw. F. Sweetser. |
| Sullivan | Moultrie | 530 | 10 | 70.6 | − 0.1 | 97 | 19† | 39 | 3† | 39 | 2.01 | − 2.13 | 1.31 | 0.0 | 4 | 16 | 13 | 1 | sw. | C. A. Corbin. |
| Sycamore | De Kalb | 855 | 30 | 69.2 | + 1.4 | 101 | 30 | 38 | 1† | 48 | 0.78 | − 3.41 | 0.40 | 0.0 | 2 | 23 | 2 | 5 | nw. | Miss E. J. Davis. |
| Tilden | Randolph | 500 | 24 | 70.3 | − 3.5 | 93 | 24 | 43 | 3 | 33 | 2.90 | − 0.70 | 1.12 | 0.0 | 7 | 18 | 7 | 5 | s. | Jas. A. Caldwell. |
| Tiskilwa | Bureau | 798 | 16 | 69.2 | − 0.4 | 97 | 30 | 39 | 3 | 38 | 1.52 | − 2.14 | 0.38 | 0.0 | 7 | 22 | 4 | 4 | e. | F. L. Smucker. |
| Walnut | do | 717 | 19 | 71.2 | + 0.2 | 100 | 30 | 40 | 3 | 38 | 0.69 | − 2.96 | 0.26 | 0.0 | 6 | 19 | 9 | 2 | se. | O. C. Nussle. |
| White Hall | Greene | 573 | 2 | 69.4 | ..... | 93 | 19 | 41 | 3 | 34 | 1.80 | ..... | 0.68 | 0.0 | 9 | 13 | 11 | 6 | ne. | Dr. R. A. Pritchett. |
| Windsor | Shelby | 681 | 11 | 70.1 | − 0.8 | 97[a] | 19 | 36[b] | 3 | 41[b] | 2.73 | − 1.23 | 1.10 | 0.0 | 6 | 8 | 18 | 4 | sw. | Herbert Rose. |
| Winnebago | Winnebago | 900 | 23 | 67.9 | − 0.3 | 98 | 30 | 38 | 1† | 40 | 1.01 | − 2.99 | 0.38 | 0.0 | 5 | 23 | 5 | 2 | ne. | Frank Osborn |
| Yorkville | Kendall | 584 | 23 | 68.2 | − 0.3 | 98 | 29† | 38 | 1† | 46 | 1.02 | − 2.89 | 0.50 | 0.0 | 3 | 25 | 1 | 4 | w. | Herman A. Grimwood. |
| Zion | Carroll | 938 | 16 | 68.4 | + 0.3 | 98 | 30 | 39 | 7 | 40 | 0.82 | − 2.79 | 0.63 | 0.0 | 3 | 26 | 2 | 2 | e. | Robt. F. Gillogly. |

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc. days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
¶ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Estimated by observer.
‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1910. District No. 5, Upper Mississippi Valley.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *North Dakota.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amenia | Red | T. | | .15 | T. | .56 | T. | | T. | T. | | | T. | | | .48 | | | T. | | | | .03 | | | | | | | | | 1.22 |
| Bottineau | Mouse | | | .02 | .01 | .06 | .05 | | .12 | .01 | .02 | | | | | .11 | | .31 | .69 | | | | | | .03 | | | | | .51 | | 1.94 |
| Cando | Sheyenne | | | T. | | | | | .25 | .15 | | | | | | .05 | | | | .02 | | | | | .23 | | | | | | | 0.70 |
| Crosby | Mouse | | .51 | .22 | T. | .05 | | T. | .58 | T. | | | T. | | | | T. | | | | | | .08 | .93 | | | | | T. | 1.58 | | 3.95 |
| Devils Lake | Sheyenne | | T. | .10 | | .03 | | .16 | .31 | | | | | | | | | T. | .31 | | | | | | .40 | | | | | .02 | | 1.33 |
| Donnybrook | Mouse | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dunseith | do | | | T. | | T. | | .40 | .10 | .10 | | | | | | .23 | | | | | | | | | | | | | T. | T. | .17 | | 1.00 |
| Edmore | Sheyenne | | | .30 | | .05 | | T. | .20 | | | | | | | | | | .53 | | | | | | T. | | | | | | | | 1.18 |
| Forman | do | | .20 | .60 | .60 | | T. | | .37 | 1.42 | | | | | | | | | | | | | | | | | | | | | | | 3.14 |
| Grafton | Red | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Granville | Mouse | | .05 | | | | | | T. | .17 | | | | | | | | 1.11 | | | | | | | 11 | | | | | .26 | | 1.70 |
| Hannah | Pembina | T. | T. | | | .49 | | | .53 | | | | | | | | | .15 | .91 | | | | | T. | | | | | | | | 2.08 |
| Hansboro | Red | | | .03 | .02 | .67 | | T. | .45 | | | | | | T. | .02 | T. | .30 | .15 | | | .25 | | | .24 | | | | | T. | | 1.73 |
| Hillsboro | do | | | .17 | .04 | | .54 | | | | | | | | | .02 | | | | | | | T. | | | | | | | | 0.77 |
| Lakota | Sheyenne | | T. | .15 | T. | .01 | | .04 | .09 | | | | | | | T. | | T. | .13 | | | | | | T. | | | | | T. | | 0.42 |
| Langdon | Pembina | | | .19 | | .17 | .11 | .08 | | | | | | | | | | | .11 | .04 | | | | | | | | | | | | 0.70 |
| Larimore | Red | | | .10 | .20 | | | | | .03 | | | | | | .02 | | | .12 | | | | | | | | | | | | | 0.47 |
| Lisbon | Sheyenne | | | .07 | .03 | .08 | .04 | | .27 | .57 | T. | | | | | | | | T. | | | | .89 | | | | | | | | | 1.95 |
| McKinney | Mouse | .30 | | T. | T. | T. | | T. | T. | .25 | | | | | | | | .47 | | | | | | .10 | | | | | .17 | | | 1.29 |
| Manfred | Sheyenne | | T. | | T. | .20 | | .35 | .29 | .10 | | | | | | T. | | .17 | | | | | | | .03 | | | | | | | 2.04 |
| Mayville | Red | | | .16 | | .32 | | | | | | | | | | | | | .04 | | | | | | | | | | | | | 0.52 |
| Minot | Mouse | T. | | .11 | | | .05 | T. | | .07 | .02 | | | | | T. | | T. | .17 | | | | | | T. | | | | | | | 0.48 |
| Minto | Red | | | .25 | | | | | | | | .15 | | | | | | .07 | .07 | | | | | | | | | | | .06 | | 0.54 |
| Oriska | Sheyenne | | | .20 | .05 | .36 | | | .12 | .10 | | | | | | | T. | | .75 | .12 | | | | | | | | | | | | 1.70 |
| Park River | Red | | | .12 | .04 | | | | .07 | | | .11 | | | | .03 | | | .10 | .10 | | | | | | | | | | | | 0.57 |
| Pembina | do | | | .18 | .08 | .20 | .28 | | .08 | .04 | | .04 | | | | T. | | | | | | | | .04 | | | | | | | | 0.94 |
| Portal | Mouse | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power | Sheyenne | | .06 | 16 | T. | .16 | | | | T. | | | | | | | .06 | T. | | | | | .05 | | | .14 | | | | | | 0.63 |
| Pratt | Mouse | | | | | .15 | | | | | | | | | .13 | | | .31 | | | | | | | .08 | | | | | .62 | .58 | 1.87 |
| University | Red | | | .25 | .31 | .04 | | | .03 | | | | | | | | | | | | | | | | | | | | | | | 0.63 |
| Wahpeton | do | | | .18 | .04 | .10 | | | .11 | .17 | | | | | | | | | | | | | .95 | | | 1.19 | | | | | | 2.74 |
| Walhalla | Pembina | | T. | | | T. | | | T. | | | | | | | | | | .23 | | | | .08 | | | | | | | | .06 | 0.37 |
| Westhope | Mouse | | | .30 | | | | | | .21 | | | | | | | .22 | .35 | .20 | | | | | | | | | | | .90 | | 2.18 |
| Willow City | do | | .06 | | | .08 | | .12 | T. | .02 | | | | | T. | .19 | | .50 | | | | | | | .26 | | | | | .08 | | 1.40 |
| *Minnesota.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Albert Lea | Mississippi | | | .01 | | T. | | | .02 | .58 | | | T. | | | | | | | | | | | T. | T. | T. | .05 | | | | | 0.66 |
| Alexandria | do | | | | .10 | T. | .50 | | | .05 | T. | | T. | | | | | | | | | | | | T. | .40 | .60 | | | | | | 1.65 |
| Angus | Red | | | .24 | .03 | T. | | | | | | 16 | | | | | | | T. | | | | | | | | | | | | | 0.43 |
| Bagley | do | | | .65 | | .41 | | | | | | .08 | | | | .08 | | | | | | .19 | | | | | | | | | | 1.41 |
| Baudette | Rainy | | | .38 | | | | | | | | | | | | | | | .14 | | | | .79 | | .02 | | | | | | | 1.33 |
| Beardsley | Minnesota | | | .16 | | .03 | | | .13 | 1.04 | | | | | | | | | | | | | .22 | | | .75 | | | | | | | 2.33 |
| Beaulieu | Red | | | .28 | .07 | .45 | | | | | | | | | | T. | | | | | | | .01 | | | T. | | | | | | | 0.81 |
| Bird Island | Minnesota | | | .06 | T. | .52 | | | .40 | .05 | T. | T. | | | | | | | | | | | | | T. | | .73 | .18 | | | | | 1.94 |
| Caledonia | Mississippi | | T. | | | .11 | T. | | | | T. | | | | | | | | | | | | | | | | | .44 | | | | | 0.55 |
| Campbell | Red | | | | .21 | .30 | .12 | | .06 | .62 | .01 | | | | | | | | | | | | 1.10 | .10 | | .06 | .72 | | | | | | 3.30 |
| Cass Lake | Mississippi | | | | | | | | | | | | | | | .15 | | | | | | | T. | | | T. | | | | | | | 0.15 |
| Collegeville | do | | | .07 | .13 | .20 | | | | | | | | | | | | .03 | | | | | | | | .93 | .31 | | | | | | 1.67 |
| Crookston | Red | | | .13 | .27 | .11 | .11 | | | T. | | | | | | | T. | | | | | | | | | | | | | | | | 0.62 |
| Detroit | do | | | T. | .35 | T. | .55 | | | T. | | | | | | | T. | | | | | | .99 | .05 | .03 | | T. | | | | | | 1.97 |
| Fairmont (near) | Minnesota | .10 | | .10 | | .26 | | | .64 | 1.23 | | | | | | | | | | | | | | | .43 | .50 | .67 | | | | | | 3.93 |
| Faribault | Mississippi | | | .04 | | .12 | | | T. | T. | | | | | | | | | | | | | | | | | .23 | | | | | | 0.39 |
| Farmington | do | | | T. | T. | .18 | | | T. | T. | | | T. | | | | | | | | | | | | .11 | .10 | .04 | | | | | | 0.43 |
| Fergus Falls | Red | | | .27 | .06 | .22 | | | .01 | | | | | | | T. | | .01 | | | | | .26 | | .01 | .30 | | | | | | | 1.14 |
| Fort Ripley | Mississippi | | | .29 | | .60 | | | | | | | | | | | | | | | | | T. | | | .98 | | | | | | | 1.87 |
| Fosston | Red | | | .30 | .03 | .24 | | | | | | | | | | .01 | | | | | | | .01 | | | | | | | | | | 0.59 |
| Glencoe | Mississippi | | | .12 | | .68 | | | T. | .35 | | | | | | | | | | | | | | | | T. | .48 | | | | | | 1.63 |
| Grand Meadow | do | | T. | .03 | | T. | T. | | | T. | | | T. | | | | | | .02 | | | | | | | | | | | | | | 0.05 |
| Hallock | Red | T. | | .25 | .27 | .07 | | | .06 | | | .05 | | | | T. | | | .30 | | | | .07 | | | | | | | | | | 1.07 |
| Halstad | do | | | .03 | .17 | .40 | .17 | | | | | | | | | | .06 | | | | | | .02 | .03 | | | | | | | | | 0.88 |
| Hinckley | St. Croix | | | | .15 | | .26 | | | | | | | | | | | | | | | | | | | | 1.53 | | | | | | 1.94 |
| International Falls | Rainy | | | .29 | .14 | .42 | | | | | | | | | T. | | | .20 | .31 | | | | .27 | | | | | | | | | | 1.63 |
| Kelliher | Red | | | .35 | | .33 | .36 | | | | | T. | | | | T. | | | | | | | | | .25 | | | | | | | | 1.29 |
| Lake Crystal | Minnesota | | | .12 | | .24 | | | .38 | .58 | .05 | | | | | | | | | | | | | | | | .58 | | | | | | 1.95 |
| Leech Lake Dam | Mississippi | | | .27 | .10 | .28 | .11 | | | | | | | | | .03 | | | | | | | .02 | | .14 | .01 | | | | | | | 0.96 |
| Little Falls | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Little Fork | Rainy | | | .50 | .08 | .22 | | | | | .10 | | | | | | | | .23 | | | | | | | | | | | | | | 1.15 |
| Long Prairie | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lynd (2) | Minnesota | | T. | | | .15 | | | .75 | 1.90 | | | | | | | | | | | | | | | 2.20 | 1.10 | | | | | | | 6.10 |
| Mankato | do | | | | .15 | | .27 | | | .49 | .15 | | .13 | | | | | | | | | | | | | .18 | .51 | .05 | | | | | 1.93 |
| Mapleplain | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Milaca | do | | | .03 | .11 | .12 | .27 | | | | | | .06 | | | | | | | | | | | | | .56 | | | | | | | 1.15 |
| Milan | Minnesota | | | .08 | T. | .14 | | | .08 | .65 | | .02 | | | | | | | | | | | | | | .60 | T. | | | | | | 1.57 |
| Minneapolis | Mississippi | | | .01 | .01 | .06 | .05 | | | T. | | | | | | | | | | | | | | | 13 | .73 | .25 | | | | | | 1.24 |
| Montevideo | Minnesota | | | | .03 | .01 | .21 | | | .68 | .29 | | .04 | | | | | | | | | | | | | | .04 | .04 | | | | | | 1.34 |
| Moorhead | Red | | | .14 | .01 | .34 | | | .03 | .08 | | | | | | .04 | | | | | | | .04 | | | .15 | | | | | | | 0.83 |
| Mora | St. Croix | | | .01 | .13 | .11 | .33 | | | | | | | | | | | | | | | | | | | .86 | .24 | | | | | | 1.68 |
| Morris | Minnesota | | | .08 | T. | .24 | | | T. | .43 | | | | | | T. | | | | | | | .04 | | | T. | .65 | 1.54 | | | | | 2.98 |
| New London | Mississippi | | .10 | | .44 | | .06 | .05 | | | | | | | | | | .17 | | | | | | | .42 | 1.30 | .35 | | | | | | 2.89 |
| New Richland | Minnesota | | | T. | | .16 | | | .19 | .13 | | | T. | | | | | | | | | | | | | | T. | | | | | | 0.48 |
| New Ulm | do | | | | .15 | .10 | .30 | | | .61 | .32 | T. | .03 | | | | | | | | | | | | | | | .60 | .10 | | | | 2.21 |
| Onakis | Mississippi | | | .25 | .07 | .30 | | | .04 | .07 | | .07 | | | | | | | | | | | | | | .43 | .17 | | | | | | 1.40 |
| Park Rapids | do | | | | .24 | | .28 | | | | | | | | | | .03 | T. | | | | | .02 | .10 | | T. | .03 | | | | | | 0.70 |
| Pine River Dam | do | | | .50 | .15 | .10 | | | | | | | | | | | | | | | | | | | | .60 | | | | | | | 1.35 |
| Pokegama Falls | do | | | .32 | .16 | .21 | .07 | | | | | | | | .09 | | | | | | | | | | | .83 | | | | | | | 1.68 |
| Red Lake | Red | T. | | .59 | .43 | | | | | | | | | | .04 | | | | | | | | | | | | | | | | | | 1.06 |
| Red Wing | Mississippi | | | | T. | T. | .34 | | | T. | T. | | | T. | | | | | | | | | | | | | .10 | T. | | | | | 0.44 |
| Redwood Falls | Minnesota | | | .03 | T. | .15 | | | .45 | .61 | | .16 | | | | | | | | | | | | | 1.62 | .22 | | | | | | | 3.24 |
| Reeds Landing | Mississippi | | | | | | .14 | | | | | | | | | | | | | | | | | | | | | | | | | | 0.14 |
| Rochester | do | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | T. |
| Roseau | Red | | | .41 | .11 | .60 | | | | | | | | | | | | | .06 | | | | 1.00 | | | | | | | | | | 2.18 |
| St. Charles | Mississippi | | | | | | .06 | | | | | | | | | | | | | | | | | | .02 | | T. | | | | | | 0.08 |
| St. Cloud | do | | | .06 | T. | .29 | .03 | | | | | | | | | | | .01 | | | | | | | 1.15 | .31 | | | | | | | 1.85 |
| St. Paul | do | | | T. | T. | .33 | .04 | | | .02 | | | | | | | | | | | | | | | | .31 | .21 | | | | | | 0.91 |
| St. Peter | Minnesota | | | .18 | | .28 | | | | .55 | | T. | | | | | | | | | | | | | | .17 | T. | | | | | | 1.18 |
| Sandy Lake Dam | Mississippi | | | .20 | .15 | .09 | .15 | | | | | .08 | | | | | | | | | | | | | | | | | | | | | 1.60 |
| State Sanatorium | do | | | .27 | .05 | .42 | | | | | | .04 | | | | .05 | | | | | | | .03 | | .07 | .80 | .08 | | | | | | 0.86 |
| Stillwater | St. Croix | | | | | .04 | .30 | | | | | | .01 | | | | | | | | | | | | | | | | | | | | 0.67 |
| Taylors Falls | do | | | | | .90 | | | | | | | | | | | | | | | | | | | | 1.10 | .70 | | | | | | 2.70 |
| Warroad | Rainy | | | .42 | .06 | .16 | | | | | | | | | | | | | .10 | | | | | .93 | | | | | | | | | 1.67 |
| West Concord | Mississippi | | | T. | T. | .04 | | | | | | | T. | | | | | | | | | | | | | | | | | | | | 0.04 |
| Willow River | St. Croix | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Windom | Des Moines | | | .20 | | .20 | | | .78 | 1.30 | .10 | .06 | T. | | | | | | | | | | | | | .35 | | | | | | | 2.99 |
| Winnebago | Minnesota | | T. | | .05 | .02 | .15 | | | .48 | 1.03 | | T. | | | | | | | | | | | | | T. | .77 | .11 | | | | | 2.61 |
| Winnibigoshish | Mississippi | | | .26 | .06 | .34 | .03 | | | | | .10 | | | | .05 | | | | | | | T. | | T. | | | | | | | | 0.84 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 5*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Minnesota*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Winona | Mississippi | | | | | .02 | .22 | | | .01 | | | | | | | | T. | T. | | | | | | | | T. | | | | | | 0.25 |
| Worthington‖ | Des Moines | | | | .18 | | .38 | | | 1.44 | .61 | | | | | | | | | | | | | | | .02 | .60 | | | | | | 3.23 |
| Zumbrota | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *South Dakota.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Milbank | Minnesota | .08 | | | .04 | T. | .18 | | .08 | 1.34 | .32 | | | | | | | | | | | | .16 | | | .27 | .86 | | | | | | 3.33 |
| *Wisconsin.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Antigo | Wisconsin | | | | | .34 | | | | | | | | | | | | | | | | | | | | | T. | | | | | | 0.34 |
| Barron | Chippewa | | | | T. | .16 | .22 | | | | | | | | | | | | | | | | | | | | .36 | | | | | | 0.74 |
| Beloit | Rock | | .64 | | .59 | | | | | | | | | T. | | | | | .70 | | | | | | | | .10 | | | | | | 2.03 |
| Brodhead | do | | .50 | | .22 | | .18 | | | | | | | | | | | | .75 | | | | | | | | | T. | | | | | 1.65 |
| Burnett | do | | .16 | | T. | .18 | .11 | | | | | | | | | | | | .01 | | | | | | | | | .17 | | | | | 0.63 |
| Delavan | do | | .72 | | .29 | | .04 | | | | | | | | .13 | | | | .01 | | | | | | | | | .05 | | | | | 1.24 |
| Dodgeville | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Downing | Chippewa | | | T. | | T. | | | | | | | | | | | | | | | | | | | | | .65 | | | | | | 0.65 |
| Eau Claire | do | | | | T. | .06 | .48 | | | | | | | | | | | | | | | | | | | | .05 | | | | | | 0.59 |
| Ellsworth | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glidden | Chippewa | | .07 | | .03 | .40 | | | | | | | | | | | .10 | | | | | | | | | | .07 | | | | | | 0.67 |
| Grand Rapids‖ | Wisconsin | | | | | .02 | .45 | | | | | | | | | | | | | .18 | | | | | | | | | | | | | 0.65 |
| Grantsburg | St. Croix | | | | | | 1.00 | | | | | | | | | | | | | | | | | | .85 | | | | | | | | 1.85 |
| Hancock | Wisconsin | | | | | | .58 | | | | | | | | | | | | | | | | | .08 | | | T. | | | | | | 0.66 |
| Hatfield | Black | | | | | .08 | .32 | | | | | | | | | | | | | | | | | | | | .10 | | | | | | 0.50 |
| Hayward | St. Croix | | .19 | T. | .30 | | | | | | | | | | | | | | | | | | | | | T. | .55 | | | | | | 1.04 |
| Hillsboro | Wisconsin | | T. | | .12 | | .12 | | | | | | | | | | | | T. | | | | | | | | T. | .10 | | | | | 0.34 |
| Koepenick | do | | .23 | | | .58 | .05 | | | | | | | | | | | | T. | | | | | | | | .05 | | | | | | 0.91 |
| LaCrosse | Mississippi | | | | .02 | .06 | | | | .02 | | | | | | | | | | | | | | | | | .27 | | | | | | 0.37 |
| Lake Mills | Rock | | .48 | | .18 | .04 | T. | | | | | | | | | | | | .37 | | | | | | | | .24 | .22 | | | | | 1.53 |
| Lancaster | Mississippi | | .42 | | .18 | .04 | | | | | | | .27 | | | | | | | | | | | | | | .12 | | | | | | 1.03 |
| Long Lake | Wisconsin | | | | | .36 | .01 | | | | | | | | | | | | .08 | | | | | | | | .05 | | | | | | 0.50 |
| Madison | Rock | | .23 | | .28 | .08 | .03 | | | | | | | | | | | | .39 | | | | | | | | .17 | .13 | | | | | 1.31 |
| Mather‖ | Wisconsin | | | | | .02 | .22 | .02 | | | | | | | | | | | | | | | | | | | | .04 | | | | | 0.30 |
| Mauston | do | | | | .15 | | .13 | | | | | | | | | | | | | | | | | | | | | .40 | | | | | 0.68 |
| Meadow Valley | do | | | | | .05 | .22 | | | | | | | | | | | | .05 | | | | | | | | .05 | | | | | | 0.37 |
| Medford | Black | | T. | | | .30 | .10 | | | | | | | | | | | | | | | | | .45 | | | .07 | | | | | | 0.92 |
| Merrill | Wisconsin | | T. | | .30 | .22 | | | | | | | | | | | | | | | | | | .03 | | | .01 | | | | | | 0.56 |
| Minocqua | do | | | | | .25 | | | | | | | | | | | | | | | | | | | | | .08 | | | | | | 0.33 |
| Mondovi | Mississippi | | | .01 | | .10 | .20 | | | | | | | | | | | | T. | | | | | | | | T. | | | | | | 0.31 |
| Mount Horeb | Rock | .02 | .20 | T. | .20 | .23 | .02 | | | .02 | | | | | | | | | .04 | | | | | | | | .12 | .25 | | | | | 1.10 |
| Muscoda‖ | Wisconsin | | .28 | T. | | .22 | .12 | | | | | | | | | | | | | .10 | | | | | | | | .52 | | | | | 1.24 |
| Neillsville | Black | | | | | .27 | .24 | | | | | | | | | | | | | | | | | | | | T. | | | | | | 0.51 |
| New Richmond | St. Croix | | | | T. | .04 | | | | | | | | | | | | | | | | | | | | | .26 | | | | | | 0.30 |
| Osceola | do | | | | T. | .30 | | | | | | | | | | | | | | | | | | | | .35 | .25 | | | | | | 0.90 |
| Portage | Wisconsin | | .08 | | | .15 | | | | | | | | | | | | | .15 | | | | | | | | | .50 | | | | | 0.88 |
| Prairie du Chien‖ | Mississippi | | .30 | | | .24 | | | | | | | | .08 | | | | | | .10 | | | | | | | | 2.30 | | | | | 3.02 |
| Prentice | Chippewa | | T. | | | | | | | | | | | | | | | | | | | | | .51 | | | | | | | | | 0.51 |
| Rhinelander | Wisconsin | | .01 | | | .30 | .01 | | | | | | | | | | | | .10 | | | | | | | | .11 | | | | | | 0.53 |
| Sauk City | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shullsburg | Mississippi | | .42 | | .26 | .02 | .07 | | | | | | | | | | | | .51 | | | | | | | | .61 | | | | | | 1.89 |
| Solon Springs | St. Croix | | | | .10 | | | | | | | | | | | | | | | | | | | | T. | 1.10 | | | | | | | 1.20 |
| Spooner | do | | .08 | T. | | T. | | | | | | | | | | | | | | | | | | 1.00 | | .10 | .07 | | | | | | 1.25 |
| Stanley | Chippewa | | | | T. | .09 | .22 | | | | | | | | | | | | | | | | | | | | .03 | | | | | | 0.34 |
| Stevens Point | Wisconsin | | | | | | 1.01 | | | | | | | | | | | | .10 | | | | | | | | T. | | | | | | 1.11 |
| Valley Junction | do | | | | | .09 | .19 | | | | | | | | | | | | .14 | | | | | | | | .12 | | | | | | 0.54 |
| Viroqua | Mississippi | | .05 | | .02 | .03 | .09 | | | .01 | | | | | | | | | | | | | | | | | .04 | .01 | | | | | 0.25 |
| Vudesare | Wisconsin | | T. | | T. | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | T. |
| Watertown‖ | Rock | | .15 | .14 | | .34 | | T. | | | | | | | | | | | | .70 | | | | | | | | .50 | T. | | | | 1.83 |
| Waukesha | Fox | | .37 | | | .24 | .09 | | | | | | | .15 | | | | | .13 | | | | | | | | | .70 | | | | | 1.68 |
| Wausau | Wisconsin | | | | .30 | .37 | | | | | | | | | | | | | | | | | | .27 | | | T. | | | | | | 0.94 |
| Weyerhaeuser | Chippewa | | .03 | T. | | | .25 | | | | | | | | | | | | | | | | | 1.41 | | | | | | | | | 1.91 |
| Whitehall | Mississippi | | | | | T. | | | | | | | | | | | | | | | | | | | | | .20 | | | | | | 0.20 |
| *Iowa.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Albia‖ | Des Moines | | .03 | | .03 | .08 | T. | | | .01 | .37 | .95 | | | | | | | | | | | | | | T. | .10 | .05 | | | | | 1.72 |
| Algona | do | | T. | .08 | T. | .18 | | | | .51 | 1.63 | .10 | | .22 | | | | | | | | | | | .14 | .20 | .50 | | | | | | 3.56 |
| Alta‖ | Raccoon | | .10 | T. | .02 | .03 | .02 | | | | 1.08 | .60 | | T. | | | | T. | | | | | | | | | .42 | | | | | | 2.27 |
| Amana | Iowa | .01 | .03 | | .59 | | T. | | | .30 | .75 | | | | | | | | T. | | | | | T. | T. | | .02 | .02 | | | | | 1.72 |
| Ames | Skunk | T. | | T. | .11 | .03 | | | | .50 | 1.04 | .80 | T. | | | | T. | | | .15 | | | | | .25 | T. | T. | | | | | | 2.88 |
| Baxter | do | | .01 | | .08 | .07 | | | | .93 | .12 | .66 | | | | | T. | | | .03 | | | | | .22 | .25 | .15 | | | | | | 2.52 |
| Belle Plaine | Iowa | .02 | | | .04 | .05 | | | | .65 | .41 | | | | | | | | T. | | | | | | | .10 | | .41 | | | | | 1.68 |
| Belmond | do | | .04 | T. | .02 | .28 | | | | .47 | 1.63 | .08 | | T. | | | | | | | | | | | | .43 | .05 | .05 | | | | | | 3.05 |
| Bloomfield | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bonaparte | Des Moines | | | | .17 | .04 | | | | .32 | .36 | .04 | | | | | | | | | | | | | | .10 | | | | | | | 1.33 |
| Boone‖ | do | T. | T. | | T. | | .17 | | | 1.32 | 1.57 | | | | | | | T. | | .01 | | | | | | | | .14 | T. | | | | 3.21 |
| Britt | Iowa | | | .06 | T. | .23 | | | | .28 | 1.68 | .07 | | | | | | | | | | | | | | .79 | .05 | .86 | | | | | | 4.02 |
| Buckingham | Cedar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Burlington‖ | Mississippi | | .02 | .09 | | .15 | .02 | | | | .37 | .05 | | | | | | | .38 | .03 | | | | | | | | 1.96 | | | | | 3.07 |
| Carroll‖ | Raccoon | | .18 | | .26 | .07 | | | | .33 | .98 | | | | | | | | .32 | | | | | | | 1.32 | .15 | | | | | | 3.61 |
| Cedar Rapids‖ | Cedar | T. | .10 | | | T. | | | | .46 | .07 | | | | | | | | T. | | | | | | | | | | | | | | 0.63 |
| Charles City | do | | .14 | | .01 | .03 | | | | .26 | .03 | | | | | | | | | | | | | | | | .14 | | | | | | 0.61 |
| Clear Lake | do | | | T. | T. | | | | | | .95 | .06 | | T. | | | | | | | | | | | T. | | | | | | | | 1.01 |
| Clinton | Mississippi | | .16 | | .10 | | | | | | | .17 | | | | | | | | | | | | | | | .12 | | | | | | 0.55 |
| Columbus Junction | Iowa | | .05 | | .13 | .05 | | | | .08 | .60 | .62 | | | | | | | | | | | | T. | | | 1.22 | .12 | | | | | 2.87 |
| Davenport | Mississippi | | .11 | | .24 | | | | | .08 | .28 | | | | | | | | T. | | | | | | T. | | .20 | | | | | | 0.91 |
| Decorah | do | | | | .05 | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | 0.05 |
| Delaware | do | | .18 | | .16 | .01 | | | | | .43 | | | | | | | | T. | | | | | | | | | .47 | | | | | 1.25 |
| Des Moines | Des Moines | | .09 | T. | T. | .06 | | T. | 1.04 | 1.08 | .21 | .01 | | | | .02 | | | | .33 | | | | | .08 | T. | .19 | | | | | | 3.11 |
| De Soto | Raccoon | | | | | T. | | | T. | | .85 | .20 | | | | | | | | .15 | | | | | | | T. | | | | | | 1.20 |
| Dubuque | Mississippi | | .24 | | .20 | .01 | | | | | .02 | | | | | | | | .13 | | | | | | | | 1.81 | .02 | | | | | 2.43 |
| Earlham | Raccoon | | T. | T. | | T. | | T. | .54 | .21 | .28 | | | | | | T. | | | T. | | | | | | T. | .08 | | | | | | 1.13 |
| Elkader | Mississippi | | .30 | | .20 | T. | | | T. | .01 | | | | | | | | | T. | | | | | | | | 1.10 | .40 | | | | | 2.01 |
| Elma | Wapsipinicon | | .18 | | .03 | T. | | | T. | .05 | .02 | | .05 | | | | | | | | | | | | | | T. | | | | | | 0.35 |
| Estherville‖ | Des Moines | | .03 | | .10 | | .34 | | | 1.10 | 1.77 | T. | .02 | .05 | | | | | | | | | | | | .01 | .88 | 1.20 | .01 | | | | 5.57 |
| Fairfield | Skunk | .01 | .08 | | .04 | T. | | T. | .36 | .20 | .06 | | | | | | | | | | | | | | T. | | T. | | | | | | 0.78 |
| Fayette | Mississippi | | .26 | T. | .35 | | | | .16 | T. | | | T. | | | | | | | | | | | | | | .50 | | | | | | 1.28 |
| Forest City‖ | Cedar | | .06 | | T. | T. | .35 | | | .30 | 1.00 | | | | | | | | | | | | | | | .10 | .15 | .52 | | | | | 2.41 |
| Fort Dodge‖ | Des Moines | | .06 | | | .05 | .25 | | | 1.00 | 2.05 | | .07 | | | | | | | | | | | | | | .80 | .10 | | | | | 4.31 |
| Fort Madison | Mississippi | | T. | | .10 | | .15 | | .30 | .52 | | | | | | T. | | | T. | | | | | T. | .42 | | .82 | | | | | | 2.36 |
| Gilman | Iowa | T. | T. | | | | | | .93 | .52 | .52 | | | | | | | | | | | | | | .08 | | 1.77 | .19 | | | | | 4.08 |
| Grand Meadow | Mississippi | | .30 | | .08 | T. | | | | .06 | | | .02 | | | | | | | | | | | | | | * 2.10 | | | | | | 2.59 |
| Greene | Cedar | | .11 | | .09 | .06 | | | .31 | .15 | | | .17 | | | | | | | | | | | | | | .10 | .09 | | | | | 1.02 |
| Grinnell | Iowa | | | T. | .05 | .06 | | | .91 | T. | | | | | | | | | | | | | | | .20 | | T. | .07 | | | | | 1.25 |
| Grundy Center | Cedar | | | | .25 | .21 | | | .75 | .02 | | | | | | | | | | | | | | | .09 | | | 1.70 | | | | | 3.03 |
| Guthrie Center | Raccoon | | .07 | T. | .08 | .08 | | T. | .40 | .13 | .16 | | .04 | | | T. | | T. | | .06 | | | | | | 1.51 | .04 | | | | | | 2.52 |
| Hampton | Cedar | .06 | | | .06 | .22 | | | .62 | .55 | .10 | | T. | | | | | | | | | | | | | .16 | | .06 | | | | | 1.89 |
| Humboldt | Des Moines | | .01 | | .01 | .20 | | | .80 | 1.83 | .60 | T. | | | | | | | | | | | | | | .04 | .12 | .31 | | | | | 3.91 |
| Independence | Wapsipinicon | | | | T. | | | | | .44 | | | | | | | | | .02 | | | | | | | | 1.03 | | | | | | 1.41 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 5*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Iowa*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Indianola | Des Moines | | .03 | | T. | .06 | .06 | T. | .54 | .01 | .72 | | | | | .01 | | | | .02 | | | | | | .11 | T. | | | | | 1.56 |
| Iowa City[‖] | Iowa | | | .08 | | T. | .03 | | | .70 | .05 | | | | | | | | | | | | | | | | .12 | | | | | 0.98 |
| Iowa Falls[‖] | do | T. | .06 | T. | T. | .17 | .32 | | | .68 | .93 | | | | | | | | | T. | | | | | | .20 | | .48 | | | | 2.84 |
| Jefferson | Raccoon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Keokuk | Mississippi | | .01 | | .03 | | .04 | T. | .38 | .60 | | | | | | | | | .07 | | | | | | T. | | .21 | | | | | 1.34 |
| Keosauqua[‖] | Des Moines | T. | T. | .04 | | .11 | T. | | | .41 | .23 | | | | T. | | T. | | T. | | | | | | T. | | | .11 | | | | 0.90 |
| Knoxville | do | | .07 | T. | T. | T. | T. | | 1.75 | .08 | .23 | | | | | | T. | | | | | | | | .97 | | .05 | .56 | | | | 3.71 |
| Lacona | do | | .08 | T. | T. | | .10 | | | .55 | .94 | | | | | | | | | T. | | | | | | .14 | .24 | .01 | | | | 2.06 |
| Le Claire[‖] | Mississippi | | .07 | .12 | | .10 | | | | .17 | | | | | | | | | | T. | | | | | | | | .19 | | | | 0.65 |
| Marshalltown[‖] | Iowa | T. | .12 | | | .08 | .08 | | | .88 | .50 | | | | | | | | | | | | | | | .09 | | .82 | | | | 2.57 |
| Mason City | Cedar | | .17 | | T. | .27 | | | .25 | .48 | | | | | | | | | | | | | | | T. | | .03 | | | | | 1.20 |
| Mount Pleasant | Skunk | | .10 | | .03 | .02 | T. | | .21 | .15 | .65 | | | | | | | | T. | | | | | | T. | | T. | | | | | 1.16 |
| Muscatine[‖] | Mississippi | | | .06 | | .19 | | | | .82 | .09 | | | | | | | | | .01 | | | | | T. | | | 1.45 | | | | 2.62 |
| New Hampton | Wapsipinicon | | .22 | | .06 | T. | | | T. | | | | .15 | | | | | | | | | | | | | | .37 | .07 | | | | 0.87 |
| Newton | Skunk | | T. | | | | | | .97 | | .55 | | | | | | | | | | | | | 1.35 | | | .30 | | | | | 3.17 |
| Northwood | Cedar | | .14 | | | | | | .06 | .38 | .21 | | | | | | | | | | | | | | | | .08 | | | | | 0.87 |
| Olin | Wapsipinicon | | .10 | | .30 | | | | | .29 | | | | | | | | | T. | | | | | | | | .58 | .19 | | | | 1.46 |
| Osage | Cedar | | | | | T. | | | | .37 | | | .23 | | | | | | | | | | | | | | .08 | | | | | 0.68 |
| Oskaloosa | Des Moines | | .10 | | T. | T. | | T. | .82 | .23 | T. | | | | | | | | | | | | | | T. | | .76 | .08 | | | | 1.99 |
| Ottumwa | do | | T. | T. | T. | T. | | | .31 | .56 | T. | | | | | | | | | | | | | | .01 | | .13 | | | | | 1.01 |
| Pella | do | | .10 | T. | T. | .05 | | T. | .99 | .10 | .63 | | | | | T. | | | | | | | | | .20 | .07 | .03 | .60 | | | | 2.77 |
| Perry | Raccoon | | .12 | | .08 | .05 | | | .55 | * | .94 | .06 | | | | T. | | | | .21 | | | | | | .21 | .05 | | | | | 2.25 |
| Plover | Des Moines | | T. | | .05 | .30 | | | .69 | 1.10 | .38 | | .03 | | | | | | | | | | | | .72 | 1.27 | .50 | | | | | 5.24 |
| Pocahontas | do | | T. | | .02 | .42 | | | .87 | .45 | .50 | | .24 | | | | | | | | | | | | .18 | .96 | .03 | | | | | 3.67 |
| Ridgeway | Mississippi | | .15 | | .01 | T. | | | T. | T. | | | T. | | | | | | | | | | | | | | .03 | | | | | 0.19 |
| Rockwell City | Raccoon | T. | .10 | T. | | | | | 1.30 | .50 | .65 | | | | | | | | | | | | | | | 2.23 | | | | | | 4.78 |
| Sac City | do | | | | .25 | T. | | | .72 | | .20 | | .09 | | | | | | | | | | | | | .13 | T. | | | | | 1.39 |
| St. Charles | Des Moines | | .26 | | | | .01 | | .40 | .09 | .41 | | | | | | | | | | | | | | | | .09 | | | | | 1.26 |
| Sigourney | Skunk | | T. | .05 | .02 | T. | | | .09 | .50 | .53 | | | | | | | | T. | | | | | | .14 | | .09 | .13 | | | | 1.55 |
| Stockport | do | | .03 | | .04 | .01 | .04 | | .36 | .34 | .22 | | | | | | | | | | | | | | T. | | T. | | | | | 1.04 |
| Storm Lake | Raccoon | | .06 | .05 | | .08 | | | .73 | .29 | .34 | | .13 | | | | .02 | | | | | | | | | .30 | | | | | | 2.00 |
| Stuart[‖] | do | | .20 | T. | | | | | .56 | .04 | | T. | | | | | | | | | | | | | | 1.05 | | | | | | 1.85 |
| Tipton | Cedar | | .10 | | .03 | .05 | T. | | T. | .28 | | | | | | | | | | | | | | | | | T. | | | | | 0.46 |
| Toledo | Iowa | | | | .25 | T. | .15 | * | .90 | .38 | | | | | | | | | | | | | | | | T. | T. | .75 | | | | | 2.43 |
| Wapello | do | | .03 | | .23 | .03 | | | .10 | .41 | .43 | | | | | | | | | | | | | T. | | | 1.57 | .11 | | | | 2.91 |
| Washington | Skunk | | .01 | | .12 | | | | .60 | .34 | | | | | | | | | | | | | | | | | | .33 | | | | 1.40 |
| Waterloo[‖] | Cedar | | .07 | | .22 | .06 | | | .58 | .02 | | | .11 | | | | | | .02 | | | | | | | | .76 | | | | | 1.84 |
| Waukee | Raccoon | | .02 | | | .04 | | | .58 | .06 | .43 | .01 | | | | .01 | | | | .12 | | | | | | .14 | .05 | | | | | 1.46 |
| Waverly | Cedar | .07 | .08 | | .29 | .04 | | | .25 | .18 | | | .08 | | | | | | | | | | | | | | .50 | .18 | | | | 1.67 |
| Webster City | Des Moines | | | T. | .10 | .08 | | | .10 | 1.22 | 1.48 | T. | | | | | | | | | | | | | .57 | .07 | 1.33 | | | | | 4.95 |
| West Bend | Des Moines | .04 | | .03 | .03 | .19 | | | .67 | 1.48 | .38 | | | T. | | | | | | | | | | | .06 | .37 | | | | | | 3.25 |
| Whitten | Iowa | | | | .12 | .15 | | | .72 | .19 | .50 | | | | | | | | | | | | | | .22 | .12 | | .41 | | | | 2.43 |
| Winterset | Des Moines | | .15 | T. | T. | T. | T. | T. | .45 | .25 | .44 | | | | | T. | | | | T. | | | | | | | .04 | | | | | 1.33 |
| Zearing | Iowa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Missouri.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Darksville | Chariton | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gorin | Mississippi | | | | .06 | | .06 | | | | .67 | | | | | | | | .15 | .14 | | | | | | | .27 | | | | | 1.35 |
| Hannibal | do | | | .01 | .07 | .07 | .01 | T. | T. | .40 | 1.32 | .80 | | | | | T. | | | .64 | | | | | | | T. | .26 | | | | | 4.39 |
| Louisiana | do | | | | .25 | .20 | | T. | | .52 | .01 | .44 | | | | | | | .05 | T. | | | | | .02 | | | .21 | .22 | | | 1.92 |
| Mexico[‖] | do | .04 | .01 | | | 1.11 | .20 | | .04 | .10 | .77 | .58 | .16 | | | | | | | | .04 | | T. | T. | | T. | .53 | .43 | .20 | | | 4.21 |
| Steffenville | do | | | | | | .27 | | T. | .26 | | .08 | | | | | | | T. | T. | | | | | T. | .80 | T. | | | | | 1.41 |
| Sublett | do | | | | | 1.00 | | | | .10 | | | | | | | | | T. | T. | | | | | | | 2.00 | | | | | 3.10 |
| Warrenton[‖] | do | .03 | T. | | | 1.37 | .83 | | .02 | .01 | .60 | .26 | | | | | | | | | | | | | | | | | | | | 4.22 |
| *Indiana.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Collegeville | Iroquois | | .20 | | | | | .20 | | | | T. | | | | .15 | | | T. | | T. | | | | | | .41 | | | | | 0.96 |
| Knox | Kankakee | | .39 | | .05 | .10 | .02 | | | | | | | | T. | | | | | T. | | | | | | | T. | | | | | 0.56 |
| Laporte | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plymouth | do | | .35 | | T. | .09 | .12 | | | | | .18 | | | | | | | | | | | | | | | .02 | | | | | 0.76 |
| *Illinois.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aledo | Mississippi | | .09 | | .13 | | | | .18 | .43 | | | | | | | | | .05 | | | | | .72 | | 1.22 | | | | | | 2.82 |
| Alexander | Illinois | .03 | .03 | T. | .09 | .11 | T. | | .26 | .02 | .57 | | | .27 | .19 | | | | | 1.22 | | | | | | T. | .34 | | | | | 3.13 |
| Antioch | do | | .85 | | | | .45 | | | | | | | | | | | | | | | | | | | | T. | | | | | 1.30 |
| Astoria | Illinois | | .08 | T. | .08 | .08 | .08 | | .15 | T. | .52 | | | | | | | | | | | | T. | | 1.25 | | .25 | .33 | | | | 2.82 |
| Aurora | do | | | | T. | .46 | | | | | | | | | | | | | | | | | | | | | T. | .04 | | | | 0.50 |
| Bement | Mississippi | | .02 | | .22 | | | | | .15 | .11 | | | | .02 | | | | | | | | | | T. | | T. | 1.15 | | | | 1.67 |
| Benton | do | | | | | | | | | .70 | .15 | .10 | | | | | | | T. | T. | | | | | | | | .85 | .10 | | | 1.90 |
| Bloomington | Illinois | | .15 | | .03 | .12 | .10 | | T. | .13 | | | | | | | | | | | | T. | | | T. | | .97 | .20 | | | | 1.70 |
| Cairo | Mississippi | | .02 | T. | .84 | .03 | | T. | .02 | .64 | T. | | | | | | | | | | | T. | | | .12 | | .02 | .35 | .01 | | | 2.05 |
| Carbondale | Mississippi | | .14 | .18 | .06 | .87 | | | | 1.63 | .07 | | | | | | | | .80 | | | | | | | | | 4.50 | .33 | | | 8.58 |
| Carlinville | Illinois | .02 | | .15 | .68 | .15 | T. | | .02 | .23 | .03 | | | | .44 | .22 | | | 1.07 | .02 | | | | | .20 | | | .50 | | | | 3.73 |
| Carlyle | Mississippi | | | .05 | .75 | .25 | | | | .60 | | | | | | | | | | | | | | | | .50 | | 1.00 | | | | 3.15 |
| Chester | do | T. | | T. | .24 | 1.74 | .02 | T. | .02 | 1.24 | .24 | | | | .54 | | | | | .01 | T. | | | .14 | | T. | | .18 | .54 | | | 4.91 |
| Clinton | Illinois | | .08 | | T. | .01 | .04 | | | .05 | .17 | | | | T. | | | | | | | | | | .04 | | T. | 1.12 | | | | 1.51 |
| Contsburg | Mississippi | | | | .14 | | | | .34 | | .90 | | | | | | | | | .40 | | | | | .67 | | | T. | | | | 2.45 |
| Cobden | do | | .45 | | .30 | .15 | | | | 1.52 | | | | | | | | | | | | | | | | .52 | 1.35 | T. | | | | 4.29 |
| Dakota | Mississippi | | .37 | | .45 | | .06 | | | | | | | | | | | | | | | | | | | | .02 | | | | | 0.90 |
| Decatur[‖] | Illinois | | .02 | | .33 | .03 | | | .12 | | | | | T. | .07 | | | | | T. | | | | | .70 | | 1.22 | .78 | | | | 3.27 |
| Dixon[‖] | Mississippi | | .05 | .18 | | .12 | T. | | | | | | | | | .10 | | | | | | | | | | | T. | | | | | 0.45 |
| Du Quoin | do | | | .07 | .10 | .68 | | | | .80 | .18 | | | | | | | | .06 | .03 | | | | | .12 | | .37 | 1.00 | | | | 3.41 |
| Dwight | Illinois | | .30 | | .04 | .40 | .01 | | | .23 | | | | | | | | | | | | | | .21 | | | 1.65 | .16 | | | | 3.00 |
| Edwardsville | Mississippi | | | .14 | 1.63 | .34 | | | .17 | .65 | | | | | .51 | | | | | .06 | | | | | | .40 | | .55 | | | | 4.45 |
| Galva[‖] | Illinois | | .29 | | .02 | .10 | | | T. | .44 | | | | T. | .03 | | | | .11 | | | | | | | | .53 | .01 | | | | 1.53 |
| Grafton[‖] | Mississippi | | | | 2.10 | .70 | | | | .16 | | | | | .20 | | | | | | | .08 | | | | | | .10 | | | | 3.34 |
| Greenville | do | | | | 1.12 | .22 | | | | .07 | .48 | T. | | | .10 | .04 | | | | 1.76 | | | | | .12 | | .21 | .05 | | | | 4.17 |
| Griggsville | Illinois | | T. | T. | .13 | T. | T. | .39 | T. | 1.25 | | | | | | | | | | .10 | | T. | | | .49 | | | .38 | T. | | | 2.74 |
| Halfway | Mississippi | | T. | .05 | T. | .73 | | | | 1.03 | T. | | | | | | | | | | | | | | | T. | T. | .92 | .03 | | | 2.76 |
| Havana | Illinois | | .06 | | .05 | .07 | .10 | | .17 | .68 | | | | | | | | | | | | | | | | | .94 | .17 | | | | 2.24 |
| Henry | do | | .20 | | T. | .15 | | | | .35 | | | | | | | | | .05 | | | | | .07 | | | .14 | | | | | 0.96 |
| Hillsboro[‖] | Mississippi | .08 | | | .22 | .85 | | | T. | .40 | | | | | .45 | .12 | | | | | .45 | | | | | | | .80 | .20 | | | 3.57 |
| Joliet | Illinois | | .39 | | .26 | | .03 | | | | | | | | | | | | T. | | | | | | | | .13 | T. | | | | 0.81 |
| Kishwaukee | Mississippi | | .31 | .03 | .16 | | .05 | | | | | | | | .08 | | | | | | | | | | | | | T. | | | | 0.63 |
| La Grange | Illinois | | .41 | | .30 | .28 | .07 | | | | | | | | | | | | | | | | | | | | T. | | | | | 1.06 |
| La Harpe | do | | .07 | | .04 | T. | .16 | | .42 | .18 | .19 | | | | | | | | T. | | | | | T. | .34 | | .59 | | | | | 1.99 |
| Lanark | Mississippi | | .29 | | .20 | .04 | | | | | | | | | | | | | .10 | | | | | | | | T. | .08 | | | | 0.71 |
| La Salle | Illinois | | .27 | | .19 | | .02 | | .24 | .01 | | | | .01 | | | | | .04 | | | | | T. | | | .11 | | | | | 0.89 |
| Lincoln | do | | .09 | | T. | .06 | .07 | | | .06 | .63 | | | .02 | T. | | | | | | | | | | | | T. | .40 | | | | | 1.33 |
| Loami | do | T. | T. | T. | .13 | T. | T. | | .25 | .05 | .15 | | | .02 | T. | | | | | .28 | | T. | | | | | .68 | .78 | | | | 2.34 |
| Martinton[‖] | do | | .30 | | .23 | .04 | | | .20 | | | | | | | | | | | | | | | | | | .35 | .13 | | | | 1.25 |
| Mascoutah | Mississippi | | | .10 | .28 | .26 | T. | | | 1.16 | | | | | .06 | | | | | .13 | | | .05 | | 1.51 | | 2.87 | | | | | 6.42 |
| Minonk | Illinois | | T. | | .25 | | T. | | T. | .17 | | | | | | | | | | | | | | 1.17 | .73 | | 1.50 | .25 | | | | 4.07 |
| Monmouth | Mississippi | | .08 | | .06 | | | | .10 | .33 | | | | | | | | | .03 | | | | | .17 | .01 | | .86 | .33 | | | | 1.97 |
| Morrison | do | | .18 | | .06 | .02 | .04 | | | .06 | | | | | | | | | T. | | | | | | | | T. | .04 | | | | 0.40 |
| Morrisonville | Illinois | | | .03 | .76 | .06 | | | T. | .25 | | | | .04 | .09 | | | | | 1.10 | | T. | | | | | .84 | .60 | | | | 3.77 |
| Mt. Vernon[‖] | Mississippi | .18 | | | .10 | .47 | | | | .52 | .21 | .10 | | | | | | | | | T. | | | | | | | T. | .17 | | | 1.75 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 5*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| ***Illinois*—Cont'd.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oregon | Mississippi | | | | | | | | | | | | | | .20 | | | | | | | | | | | | | | | | | | 0.20 |
| Ottawa | Illinois | | .30 | | | .23 | | | | .43 | | | | | | | | | | | | | | | | | .20 | .09 | | | | | 1.25 |
| Pana | Mississippi | | T. | T. | .65 | .06 | | | T. | .36 | .29 | | | T. | .03 | | | | | | | T. | | | .53 | .03 | | .57 | | | | | 2.52 |
| Peoria | Illinois | | .08 | | .10 | | .07 | | .18 | .12 | | | | T. | | | | | T. | | | | | T. | | | .13 | .10 | | | | | 0.78 |
| Pontiac | do | | .20 | | T. | .36 | .05 | | | .18 | T. | | | | | | | | | | | | T. | .10 | .04 | | .75 | .46 | | | | | 2.14 |
| Riley | Mississippi | | .46 | * | .30 | | | | | | | | | | .02 | | | | T. | | | | | | | | | .02 | | | | | 0.80 |
| Rockford‖ | do | | .14 | .15 | .33 | .02 | | | | | | | | | .01 | | | | | T. | | | | | | | | .07 | | | | | 0.72 |
| Rushville | Illinois | .12 | .05 | | .08 | | | | T. | .05 | | | | T. | | | | | | .08 | | | | | T. | | .18 | .05 | | | | | 0.61 |
| St. Charles | do | | .30 | | | .24 | .12 | | | | | | | T. | | | | | | | | | | | | | | .08 | | | | | 0.74 |
| St. Peter | Mississippi | .03 | | .10 | 1.30 | | | | T. | .38 | .05 | | | T. | | T. | | | | .10 | | | | | | .05 | .15 | | | | | | 2.16 |
| Springfield | Illinois | | T. | T. | .04 | .02 | T. | T. | .14 | .50 | .59 | | | .01 | T. | | | | | T. | | | | .23 | | 1.59 | 1.31 | .15 | | | | | 4.58 |
| Streator‖ | Illinois | | .07 | .26 | | .30 | .14 | | | .27 | | | | | | | | | | | | | | | | | | 1.94 | | | | | 2.98 |
| Sullivan | Mississippi | | T. | | .38 | T. | | | | | .27 | | | .05 | | | | | | | | | | | | | | 1.31 | | | | | 2.01 |
| Sycamore‖ | do | | T. | .40 | | .38 | T. | | | | | | | | | | | | | | | | | | | | | T. | | | | | 0.78 |
| Tilden | do | | | | .03 | .38 | .03 | | T. | 1.12 | | | | | | | | | .81 | | | | | | | .25 | T. | .28 | | | | | 2.90 |
| Tiskilwa | Illinois | | .15 | | T. | .21 | | | | .38 | | | | .02 | .33 | | | | .10 | | | | | | | | .33 | | | | | | 1.52 |
| Walnut | Mississippi | | .26 | | .13 | .05 | T. | | | .19 | | | | T. | .05 | | | | | | | | | | | | .01 | | | | | | 0.69 |
| Warsaw‖ | do | | .03 | | .07 | | | | .36 | .41 | | | | | | | | | | | | | | | | | .92 | | | | | | 1.79 |
| White Hall | Illinois | | T. | .11 | .57 | .06 | T. | T. | .32 | .07 | .10 | | | T. | | | | | T. | .03 | | | | | .49 | | T. | .05 | | | | | 1.80 |
| Windsor | Mississippi | | | T. | .73 | | | | | .15 | | | | .01 | | .05 | | | | 1.10 | | | | | | | | .69 | | | | | 2.73 |
| Winnebago | do | | .38 | | .30 | .03 | | | | | | | | | .25 | | | | T. | | | | | | | | T. | .05 | | | | | 1.01 |
| Yorkville | Illinois | | .50 | | | .50 | T. | | | | | | | | | | | | | | | | | | | | .02 | | | | | | 1.02 |
| Zion | Mississippi | | .63 | | .17 | .02 | | | | T. | | | | | | | | | T. | | | | | | | | | | | | | | 0.82 |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 5, Upper Mississippi Valley.*

| Date. | North Dakota. | | | | | | | | | | Minnesota. | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bottineau.‡‡ | | Devils Lake. | | Lisbon.‡‡ | | Minot.‡‡ | | Pembina.‡‡ | | Collegeville. | | Crookston.‡‡ | | Grand Meadow. | | Montevideo.‡‡ | | Moorhead. | | New Ulm.‡‡ | | Pine River Dam. | | St. Paul. | | Winnibigoshish. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 54 | 34 | 52 | 33 | 62 | 37 | 56 | 30 | 49 | 30 | 67 | 45 | 52 | 35 | 67 | 38 | 69 | 41 | 59 | 35 | 68 | 44 | 60 | 36 | 66 | 48 | 62 | 42 |
| 2 | 47 | 30 | 54 | 29 | 62 | 28 | 44 | 30 | 58 | 30 | 61 | 33 | 58 | 29 | 66 | 35 | 67 | 35 | 62 | 32 | 68 | 39 | 62 | 39 | 64 | 38 | 61 | 35 |
| 3 | 53 | 34 | 63 | 37 | 61 | 42 | 50 | 37 | 64 | 38 | 59 | 41 | 60 | 46 | 59 | 38 | 56 | 43 | 58 | 45 | 57 | 43 | 52 | 40 | 56 | 43 | 59 | 42 |
| 4 | 64 | 27 | 66 | 33 | 64 | 42 | 67 | 31 | 62 | 40 | 58 | 43 | 65 | 43 | 70 | 40 | 61 | 44 | 65 | 43 | 65 | 44 | 53 | 41 | 59 | 48 | 57 | 41 |
| 5 | 59 | 37 | 58 | 42 | 64 | 38 | 60 | 42 | 54 | 36 | 57 | 41 | 59 | 45 | 68 | 42 | 66 | 38 | 62 | 42 | 63 | 44 | 54 | 34 | 60 | 43 | 56 | 40 |
| 6 | 70 | 37 | 67 | 36 | 68 | 39 | 70 | 30 | 74 | 40 | 68 | 45 | 66 | 38 | 68 | 43 | 70 | 38 | 70 | 41 | 71 | 42 | 73 | 42 | 65 | 45 | 67 | 40 |
| 7 | 67 | 44 | 71 | 48 | 70 | 43 | 78 | 30 | 77 | 48 | 70 | 48 | 73 | 48 | 62 | 37 | 71 | 41 | 72 | 43 | 74 | 43 | 74 | 38 | 73 | 45 | 71 | 38 |
| 8 | 58 | 48 | 61 | 52 | 62 | 51 | 64 | 52 | 66 | 50 | 68 | 53 | 69 | 56 | 71 | 45 | 61 | 49 | 66 | 53 | 66 | 49 | 73 | 45 | 73 | 53 | 72 | 48 |
| 9 | 68 | 51 | 73 | 51 | 66 | 52 | 65 | 52 | 82 | 48 | 71 | 52 | 78 | 52 | 66 | 52 | 62 | 50 | 78 | 54 | 60 | 53 | 79 | 46 | 72 | 58 | 78 | 49 |
| 10 | 75 | 47 | 78 | 45 | 82 | 51 | 77 | 53 | 81 | 50 | 79 | 48 | 84 | 52 | 78 | 42 | 79 | 45 | 83 | 50 | 79 | 49 | 83 | 39 | 81 | 52 | 80 | 43 |
| 11 | 84 | 48 | 82 | 57 | 82 | 50 | 82 | 45 | 86 | 55 | 82 | 55 | 78 | 56 | 82 | 50 | 84 | 50 | 80 | 56 | 82 | 52 | 83 | 47 | 83 | 56 | 79 | 48 |
| 12 | 85 | 50 | 84 | 55 | 82 | 49 | 87 | 56 | 82 | 58 | 83 | 57 | 86 | 54 | 81 | 51 | 85 | 53 | 86 | 50 | 85 | 51 | 83 | 48 | 83 | 60 | 83 | 46 |
| 13 | 82 | 51 | 87 | 59 | 85 | 52 | 84 | 60 | 90 | 55 | 85 | 60 | 90 | 55 | 82 | 52 | 85 | 63 | 88 | 50 | 90 | 53 | 87 | 54 | 86 | 59 | 86 | 52 |
| 14 | 89 | 59 | 87 | 53 | 86 | 53 | 87 | 57 | 88 | 52 | 85 | 62 | 90 | 58 | 83 | 58 | 86 | 56 | 88 | 54 | 88 | 57 | 87 | 50 | 86 | 60 | 85 | 60 |
| 15 | 85 | 60 | 88 | 63 | 88 | 63 | 90 | 60 | 90 | 60 | 85 | 62 | 86 | 65 | 82 | 59 | 87 | 58 | 88 | 63 | 90 | 62 | 88 | 57 | 87 | 62 | 83 | 60 |
| 16 | 93 | 53 | 92 | 57 | 92 | 55 | 92 | 61 | 93 | 60 | 89 | 65 | 91 | 61 | 79 | 60 | 91 | 62 | 94 | 58 | 94 | 65 | 97 | 68 | 91 | 65 | 90 | 59 |
| 17 | 91 | 61 | 91 | 65 | 91 | 63 | 92 | 69 | 96 | 64 | 89 | 69 | 94 | 68 | 90 | 66 | 91 | 67 | 92 | 66 | 96 | 68 | 94 | 62 | 93 | 69 | 91 | 61 |
| 18 | 82 | 56 | 85 | 61 | 90 | 59 | 88 | 61 | 74 | 64 | 88 | 65 | 84 | 64 | 91 | 67 | 96 | 61 | 89 | 62 | 91 | 66 | 87 | 60 | 91 | 69 | 88 | 64 |
| 19 | 93 | 58 | 91 | 55 | 91 | 48 | 93 | 70 | 91 | 60 | 93 | 63 | 89 | 55 | 96 | 61 | 89 | 56 | 93 | 54 | 98 | 65 | 91 | 63 | 94 | 65 | 90 | 61 |
| 20 | 103 | 68 | 101 | 69 | 97 | 69 | 109 | 73 | 98 | 64 | 94 | 68 | 99 | 68 | 94 | 61 | 95 | 64 | 98 | 66 | 100 | 63 | 97 | 55 | 98 | 66 | 93 | 58 |
| 21 | 100 | 66 | 98 | 73 | 98 | 72 | 103 | 70 | 98 | 70 | 91 | 71 | 99 | 73 | 95 | 64 | 94 | 65 | 98 | 70 | 97 | 66 | 98 | 68 | 95 | 67 | 95 | 67 |
| 22 | 85 | 59 | 90 | 63 | 88 | 65 | 86 | 57 | 94 | 61 | 93 | 68 | 90 | 70 | 95 | 66 | 94 | 65 | 90 | 68 | 99 | 63 | 96 | 62 | 97 | 68 | 89 | 64 |
| 23 | 95 | 64 | 94 | 70 | 92 | 62 | 99 | 57 | 96 | 62 | 92 | 69 | 96 | 72 | 98 | 65 | 93 | 67 | 94 | 66 | 99 | 69 | 97 | 63 | 96 | 72 | 95 | 68 |
| 24 | 84 | 61 | 82 | 61 | 86 | 65 | 86 | 62 | 82 | 68 | 93 | 64 | 89 | 72 | 94 | 62 | 94 | 66 | 90 | 68 | 97 | 71 | 96 | 64 | 97 | 73 | 92 | 62 |
| 25 | 91 | 52 | 87 | 54 | 76 | 62 | 92 | 47 | 92 | 58 | 90 | 65 | 83 | 60 | 88 | 65 | 87 | 67 | 74 | 65 | 98 | 71 | 86 | 60 | 92 | 68 | 88 | 64 |
| 26 | 99 | 52 | 94 | 60 | 92 | 52 | 99 | 58 | 94 | 58 | 82 | 65 | 93 | 56 | 95 | 56 | 86 | 66 | 92 | 56 | 80 | 67 | 88 | 66 | 79 | 68 | 94 | 63 |
| 27 | 99 | 60 | 96 | 66 | 94 | 60 | 100 | 69 | 98 | 60 | 92 | 64 | 98 | 64 | 99 | 60 | 92 | 59 | 96 | 64 | 90 | 60 | 96 | 62 | 92 | 63 | 97 | 58 |
| 28 | 98 | 61 | 95 | 66 | 91 | 60 | 101 | 69 | 96 | 60 | 92 | 69 | 95 | 63 | 96 | 68 | 93 | 63 | 92 | 60 | 95 | 62 | 95 | 64 | 96 | 68 | 95 | 65 |
| 29 | 102 | 65 | 98 | 68 | 94 | 60 | 103 | 63 | 98 | 64 | 92 | 70 | 95 | 68 | 96 | 65 | 93 | 63 | 93 | 62 | 97 | 67 | 94 | 62 | 96 | 70 | 92 | 67 |
| 30 | 77 | 65 | 90 | 65 | 95 | 61 | 83 | 67 | 96 | 62 | 90 | 70 | 97 | 68 | 96 | 64 | 90 | 65 | 94 | 66 | 91 | 64 | 96 | 70 | 91 | 69 | 94 | 69 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mns | 81.1 | 51.9 | 81.8 | 54.9 | 81.7 | 53.4 | 82.9 | 54.3 | 83.3 | 54.2 | 81.3 | 58.3 | 82.9 | 57.1 | 82.9 | 54.4 | 82.2 | 55.3 | 82.8 | 55.4 | 84.3 | 57.1 | 83.3 | 53.5 | 83.1 | 59.7 | 82.1 | 54.5 |

| Date. | Wisconsin. | | | | | | | | | | | | | | Iowa. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Delavan. | | Eau Claire. | | La Crosse. | | Madison. | | Mauston. | | Spooner. | | Wausaw. | | Algona. | | Cedar Rapids.‡‡ | | Charles City. | | Davenport. | | Des Moines. | | Dubuque. | | Kookuk. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 68 | 37 | 68 | 39 | 68 | 41 | 66 | 44 | 77 | 35 | 65 | 44 | 68 | 38 | 73 | 46 | 71 | 49 | 68 | 46 | 70 | 47 | 73 | 49 | 67 | 45 | 71 | 50 |
| 2 | 58 | 40 | 64 | 39 | 63 | 45 | 55 | 40 | 70 | 44 | 57 | 37 | 65 | 37 | 67 | 41 | 64 | 46 | 65 | 42 | 64 | 43 | 66 | 46 | 61 | 44 | 68 | 48 |
| 3 | 56 | 41 | 59 | 45 | 62 | 40 | 54 | 42 | 61 | 40 | 60 | 37 | 64 | 38 | 61 | 46 | 56 | 45 | 58 | 44 | 53 | 44 | 60 | 49 | 54 | 44 | 62 | 45 |
| 4 | 65 | 43 | 67 | 50 | 65 | 48 | 62 | 45 | 70 | 45 | 63 | 41 | 63 | 46 | 64 | 48 | 67 | 48 | 60 | 47 | 64 | 49 | 65 | 48 | 63 | 49 | 65 | 50 |
| 5 | 68 | 49 | 65 | 46 | 68 | 49 | 66 | 52 | 72 | 51 | 65 | 43 | 63 | 45 | 74 | 44 | 73 | 49 | 68 | 45 | 71 | 51 | 73 | 46 | 69 | 52 | 72 | 52 |
| 6 | 59 | 43 | 66 | 46 | 63 | 46 | 56 | 47 | 77 | 49 | 65 | 41 | 73 | 39 | 70 | 42 | 70 | 49 | 68 | 44 | 68 | 53 | 70 | 49 | 66 | 50 | 71 | 56 |
| 7 | 75 | 38 | 74 | 39 | 75 | 40 | 71 | 45 | 80 | 52 | 76 | 47 | 75 | 47 | 68 | 43 | 72 | 43 | 68 | 38 | 70 | 47 | 65 | 48 | 71 | 43 | 67 | 48 |
| 8 | 72 | 41 | 74 | 46 | 75 | 45 | 71 | 52 | 86 | 40 | 76 | 44 | 74 | 50 | 65 | 49 | 74 | 50 | 72 | 46 | 73 | 56 | 64 | 56 | 72 | 48 | 72 | 58 |
| 9 | 70 | 52 | 75 | 54 | 69 | 57 | 71 | 54 | 78 | 52 | 80 | 51 | 77 | 47 | 58 | 53 | 68 | 56 | 65 | 53 | 69 | 56 | 63 | 55 | 71 | 56 | 68 | 57 |
| 10 | 73 | 43 | 81 | 45 | 80 | 51 | 71 | 50 | 87 | 40 | 79 | 40 | 77 | 42 | 76 | 50 | 76 | 54 | 77 | 50 | 75 | 53 | 74 | 56 | 76 | 53 | 74 | 58 |
| 11 | 78 | 43 | 82 | 45 | 80 | 47 | 76 | 52 | 85 | 40 | 80 | 41 | 80 | 45 | 80 | 51 | 81 | 50 | 80 | 47 | 79 | 51 | 80 | 50 | 78 | 49 | 78 | 53 |
| 12 | 82 | 47 | 83 | 46 | 83 | 47 | 80 | 52 | 85 | 49 | 82 | 42 | 80 | 47 | 82 | 49 | 85 | 48 | 81 | 45 | 83 | 54 | 81 | 53 | 82 | 50 | 82 | 54 |
| 13 | 86 | 44 | 87 | 52 | 87 | 52 | 84 | 58 | 90 | 50 | 86 | 54 | 86 | 49 | 82 | 42 | 87 | 49 | 84 | 48 | 86 | 58 | 84 | 55 | 83 | 55 | 83 | 57 |
| 14 | 84 | 56 | 88 | 55 | 89 | 55 | 84 | 63 | 90 | 50 | 87 | 56 | 87 | 53 | 84 | 54 | 89 | 59 | 86 | 52 | 87 | 61 | 83 | 59 | 86 | 59 | 85 | 60 |
| 15 | 88 | 52 | 86 | 54 | 89 | 56 | 85 | 64 | 88 | 60 | 87 | 51 | 86 | 54 | 84 | 55 | 90 | 57 | 85 | 55 | 87 | 63 | 84 | 60 | 85 | 59 | 85 | 65 |
| 16 | 88 | 53 | 91 | 59 | 91 | 60 | 86 | 62 | 90 | 65 | 91 | 65 | 88 | 59 | 88 | 62 | 92 | 62 | 89 | 60 | 88 | 64 | 86 | 65 | 87 | 60 | 86 | 70 |
| 17 | 89 | 61 | 93 | 65 | 93 | 69 | 88 | 65 | 90 | 69 | 95 | 66 | 93 | 64 | 89 | 65 | 94 | 67 | 92 | 64 | 90 | 68 | 88 | 65 | 91 | 67 | 88 | 70 |
| 18 | 90 | 65 | 91 | 67 | 94 | 67 | 88 | 64 | 94 | 70 | 90 | 55 | 91 | 65 | 92 | 66 | 98 | 71 | 93 | 64 | 94 | 72 | 95 | 69 | 93 | 72 | 92 | 70 |
| 19 | 90 | 56 | 92 | 59 | 91 | 59 | 86 | 66 | 92 | 58 | 91 | 56 | 86 | 57 | 94 | 70 | 96 | 64 | 94 | 61 | 94 | 68 | 93 | 64 | 91 | 63 | 93 | 72 |
| 20 | 89 | 61 | 94 | 58 | 94 | 58 | 85 | 67 | 89 | 55 | 96 | 67 | 91 | 57 | 94 | 74 | 94 | 61 | 95 | 56 | 89 | 65 | 95 | 68 | 90 | 63 | 90 | 66 |
| 21 | 89 | 57 | 92 | 60 | 95 | 60 | 88 | 65 | 91 | 53 | 95 | 65 | 90 | 60 | 91 | 65 | 94 | 65 | 92 | 58 | 92 | 66 | 91 | 69 | 90 | 59 | 91 | 66 |
| 22 | 94 | 61 | 95 | 61 | 95 | 65 | 91 | 66 | 94 | 63 | 96 | 63 | 91 | 60 | 94 | 62 | 97 | 66 | 95 | 67 | 93 | 71 | 92 | 67 | 93 | 70 | 91 | 72 |
| 23 | 96 | 61 | 97 | 68 | 96 | 67 | 93 | 73 | 97 | 64 | 99 | 69 | 95 | 69 | 92 | 66 | 97 | 66 | 94 | 64 | 95 | 72 | 90 | 70 | 95 | 67 | 91 | 71 |
| 24 | 84 | 63 | 94 | 69 | 95 | 69 | 84 | 66 | 90 | 62 | 94 | 67 | 87 | 61 | 94 | 68 | 98 | 70 | 96 | 66 | 95 | 72 | 92 | 71 | 92 | 70 | 92 | 70 |
| 25 | 84 | 53 | 93 | 65 | 93 | 64 | 86 | 61 | 90 | 50 | 91 | 63 | 90 | 58 | 90 | 65 | 93 | 66 | 92 | 66 | 89 | 65 | 88 | 69 | 90 | 64 | 90 | 67 |
| 26 | 92 | 57 | 90 | 67 | 82 | 65 | 86 | 60 | 85 | 60 | 80 | 65 | 88 | 62 | 85 | 64 | 90 | 66 | 90 | 68 | 94 | 66 | 89 | 69 | 90 | 65 | 91 | 70 |
| 27 | 84 | 62 | 91 | 60 | 90 | 64 | 84 | 68 | 88 | 64 | 89 | 60 | 89 | 57 | 86 | 64 | 87 | 61 | 92 | 63 | 86 | 69 | 85 | 67 | 86 | 68 | 85 | 70 |
| 28 | 90 | 56 | 97 | 64 | 94 | 62 | 88 | 69 | 90 | 58 | 93 | 63 | 94 | 59 | 91 | 74 | 94 | 65 | 96 | 60 | 93 | 66 | 92 | 65 | 93 | 65 | 91 | 68 |
| 29 | 95 | 56 | 98 | 63 | 96 | 66 | 93 | 69 | 92 | 62 | 95 | 63 | 98 | 62 | 92 | 64 | 99 | 64 | 95 | 65 | 95 | 66 | 93 | 67 | 96 | 66 | 92 | 65 |
| 30 | 98 | 56 | 97 | 62 | 100 | 63 | 97 | 73 | 95 | 60 | 94 | 66 | 97 | 61 | 87 | 63 | 100 | 64 | 96 | 62 | 99 | 70 | 92 | 67 | 98 | 66 | 97 | 68 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mns | 81.1 | 51.6 | 84.1 | 54.9 | 83.8 | 55.9 | 79.2 | 58.5 | 85.4 | 53.7 | 83.2 | 54.1 | 82.9 | 52.9 | 81.6 | 56.8 | 84.9 | 57.7 | 82.9 | 54.9 | 82.8 | 60.2 | 81.5 | 59.7 | 82.0 | 58.0 | 82.1 | 61.5 |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 5*—Continued.

| Date. | Hannibal, Mo. | | Laporte, Ind. | | Illinois. | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Cairo. | | Greenville. | | La Salle. | | Monmouth. | | Mt. Vernon. | | Peoria. | | Springfield. | | Winnebago. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 71 | 50 | ..... | ..... | 76 | 57 | 76 | 51 | 71 | 39 | 72 | 47 | 80 | 43 | 72 | 43 | 73 | 51 | 70 | 38 |
| 2 | 62 | 47 | ..... | ..... | 69 | 55 | 72 | 52 | 61 | 42 | 66 | 47 | 78 | 47 | 62 | 44 | 61 | 49 | 60 | 41 |
| 3 | 54 | 46 | ..... | ..... | 63 | 50 | 57 | 44 | 55 | 41 | 73 | 42 | 62 | 42 | 53 | 42 | 56 | 42 | 55 | 38 |
| 4 | 67 | 52 | ..... | ..... | 71 | 57 | 67 | 52 | 63 | 45 | 65 | 45 | 75 | 50 | 65 | 52 | 67 | 54 | 67 | 45 |
| 5 | 72 | 54 | ..... | ..... | 71 | 60 | 73 | 57 | 70 | 54 | 75 | 52 | 78 | 53 | 70 | 54 | 72 | 56 | 68 | 50 |
| 6 | 71 | 56 | ..... | ..... | 78 | 57 | 74 | 56 | 63 | 50 | 72 | 52 | 80 | 50 | 69 | 50 | 73 | 52 | 62 | 48 |
| 7 | 68 | 50 | ..... | ..... | 70 | 56 | 71 | 47 | 72 | 44 | 71 | 42 | 72 | 46 | 71 | 42 | 70 | 47 | 73 | 40 |
| 8 | 70 | 58 | ..... | ..... | 74 | 60 | 75 | 58 | 75 | 49 | 75 | 53 | 78 | 52 | 75 | 56 | 74 | 57 | 73 | 45 |
| 9 | 70 | 53 | ..... | ..... | 70 | 60 | 76 | 58 | 72 | 56 | 75 | 55 | 75 | 59 | 71 | 57 | 74 | 58 | 72 | 53 |
| 10 | 74 | 56 | ..... | ..... | 69 | 61 | 71 | 58 | 74 | 54 | 75 | 55 | 68 | 59 | 75 | 56 | 75 | 56 | 73 | 46 |
| 11 | 81 | 52 | ..... | ..... | 75 | 58 | 79 | 49 | 78 | 50 | 82 | 46 | 93 | 51 | 79 | 46 | 78 | 51 | 77 | 46 |
| 12 | 80 | 52 | ..... | ..... | 78 | 56 | 82 | 52 | 82 | 48 | 84 | 47 | 84 | 48 | 82 | 46 | 81 | 56 | 83 | 47 |
| 13 | 82 | 52 | ..... | ..... | 80 | 60 | 85 | 58 | 86 | 56 | 86 | 53 | 85 | 52 | 85 | 53 | 83 | 58 | 86 | 51 |
| 14 | 83 | 60 | ..... | ..... | 83 | 60 | 86 | 55 | 84 | 57 | 87 | 58 | 87 | 53 | 85 | 55 | 85 | 58 | 84 | 56 |
| 15 | 85 | 58 | ..... | ..... | 86 | 62 | 88 | 58 | 88 | 61 | 89 | 58 | 92 | 55 | 89 | 56 | 88 | 62 | 88 | 59 |
| 16 | 85 | 64 | ..... | ..... | 90 | 64 | 90 | 64 | 89 | 62 | 91 | 58 | 93 | 68 | 88 | 59 | 89 | 67 | 90 | 56 |
| 17 | 88 | 66 | ..... | ..... | 89 | 66 | 90 | 64 | 90 | 64 | 92 | 62 | 92 | 61 | 89 | 63 | 90 | 65 | 91 | 56 |
| 18 | 90 | 70 | ..... | ..... | 89 | 68 | 93 | 67 | 91 | 69 | 96 | 68 | 93 | 64 | 90 | 67 | 93 | 69 | 90 | 66 |
| 19 | 86 | 64 | ..... | ..... | 91 | 68 | 95 | 64 | 93 | 67 | 95 | 68 | 96 | 63 | 93 | 67 | 95 | 69 | 92 | 62 |
| 20 | 90 | 63 | ..... | ..... | 94 | 69 | 91 | 62 | 88 | 65 | 93 | 62 | 96 | 62 | 89 | 62 | 91 | 67 | 87 | 62 |
| 21 | 89 | 65 | ..... | ..... | 86 | 69 | 92 | 67 | 94 | 61 | 95 | 60 | 93 | 71 | 94 | 61 | 92 | 66 | 90 | 60 |
| 22 | 89 | 69 | ..... | ..... | 86 | 70 | 93 | 67 | 95 | 67 | 96 | 67 | 95 | 64 | 94 | 67 | 93 | 69 | 95 | 63 |
| 23 | 89 | 69 | ..... | ..... | 89 | 71 | 92 | 71 | 98 | 67 | 97 | 66 | 94 | 68 | 95 | 66 | 92 | 72 | 96 | 65 |
| 24 | 92 | 69 | ..... | ..... | 91 | 71 | 95 | 71 | 94 | 68 | 91 | 67 | 98 | 70 | 95 | 67 | 92 | 72 | 88 | 64 |
| 25 | 87 | 71 | ..... | ..... | 89 | 69 | 92 | 70 | 90 | 66 | 92 | 62 | 97 | 68 | 91 | 68 | 92 | 71 | 86 | 59 |
| 26 | 91 | 71 | ..... | ..... | 90 | 74 | 94 | 71 | 94 | 62 | 93 | 65 | 96 | 70 | 93 | 66 | 93 | 71 | 93 | 53 |
| 27 | 83 | 69 | ..... | ..... | 88 | 69 | 84 | 69 | 85 | 66 | 84 | 66 | 96 | 70 | 82 | 67 | 78 | 70 | 83 | 66 |
| 28 | 91 | 64 | ..... | ..... | 83 | 69 | 87 | 67 | 91 | 62 | 92 | 61 | 91 | 67 | 91 | 60 | 88 | 65 | 90 | 60 |
| 29 | 89 | 66 | ..... | ..... | 87 | 70 | 89 | 66 | 95 | 59 | 94 | 59 | 93 | 63 | 93 | 60 | 89 | 66 | 96 | 56 |
| 30 | 92 | 66 | ..... | ..... | 87 | 71 | 85 | 67 | 99 | 66 | 98 | 64 | 90 | 67 | 98 | 62 | 92 | 70 | 98 | 65 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Means | 80.7 | 60.1 | ..... | ..... | 81.4 | 63.6 | 83.1 | 60.4 | 82.7 | 57.2 | 84.5 | 56.9 | 86.3 | 58.5 | 82.6 | 57.1 | 82.3 | 61.2 | 81.9 | 53.9 |

## Climatological Data for June, 1910.

## DISTRICT No. 6, MISSOURI VALLEY.

MONTROSE W. HAYES, District Editor.

### GENERAL SUMMARY.

The monthly temperature and precipitation values for most of the Missouri River drainage area, except the western half of Missouri, give the month a place in the group of dry and warm Junes, but an examination of the records shows that, in a general way, the first third of the month was cool and wet. This gives greater weight to the dry, warm conditions that prevailed during the last 20 days. The showers in the mountain and foothill country were scattered and light during the first 11 days, but over the plateau and lower portions of the drainage area they were quite general and were heavier than at any other time of the month. There was a well-defined storm during this period. It appeared over Montana on the 7th, moved southeastward, accompanied by thunderstorms and rain, and passed to the east of the Mississippi River on the 10th. The accompanying rain was excessive in southern Iowa, eastern Kansas, and the northern half of Missouri. The lowest temperature in Montana, Wyoming, and the Dakotas occurred from the 1st to the 3d. There was no well-defined period of low temperature in the remainder of the drainage area and the minimum readings were on dates varying widely between the 1st and the 11th. On the 12th the temperature began to rise; by the 15th it was above the normal and warm weather, with a high percentage of sunshine, prevailed during the remainder of the month. In Montana and northern Wyoming the warmest day was the 21st; in the other portions of the district the highest temperatures occurred from the 18th to the 21st. The rain after the 11th was rather local in character and with a few exceptions was light. However, in Wyoming and northeastern Colorado the greater portion of the month's precipitation occurred during this period.

### TEMPERATURE.

In the Valley of the Kansas River and in the Missouri Valley below Omaha the temperature was deficient. The departures ranged from a few tenths of a degree below the normal to 4° and 4.5° below, the greatest being over the watershed of the Osage River, in southwestern Missouri. In this area the only noteworthy feature from a temperature standpoint was the continued low temperature of the first third of the month; during the following warm weather period the thermometer readings were not unusual for June. From Omaha westward and northward the mean temperatures were all higher than they normally are in June; the most notable excesses were in Montana, northeastern Wyoming, North Dakota, and northern South Dakota, and amounted to 4° and 5°. During the cold weather of the first of the month freezing temperatures occurred quite generally in Montana and portions of the Dakotas, Wyoming, and Colorado. The extreme low record was 12° at Garneil, Mont., on the 3d. In all of the country drained by the Missouri above the mouth of the Platte River the high temperatures during the last 10 or 12 days of the month were unusual. Maximum readings as high as 90° occurred almost daily and readings of 100° and higher were not infrequent. The highest recorded was 111° at Coal Harbor, N. Dak., on the 20th. At Sioux City, Iowa, the record for June for the number of days with a maximum temperature of 90° or higher was broken, there being 9 such days, while the previous record was 7 in 1897.

### PRECIPITATION.

In southeastern Montana and southwestern North Dakota, in a few localities in northeastern Colorado, the western half of Nebraska, and the central part of South Dakota, and at several points along the Missouri River between St. Joseph and St. Louis the precipitation was somewhat above the normal. These areas combined form a comparatively small part of the district, and all of the remaining and extensive territory had less precipitation than is seasonable in June. The rain storm covering the period from the 7th to the 10th was the only one that gave generally heavy precipitation. During the remainder of the month some rain fell almost daily in the various subdivisions of the district, but with a few minor exceptions it was light and was very local in character, and at the close of the month a need of moisture was general, except in the lower part of the drainage basin—or in southeastern Nebraska, extreme eastern Kansas, and in Missouri—where excessive amounts of rain fell during the first 10 days.

### RIVERS.

The snow in the mountains was melting, or had melted, much earlier than usual. This early run-off of the snow water and the lack of rain caused low stages in all the streams in the western part of the district. The rains of the 8–10th produced rapid rises in the minor streams of eastern Kansas and western Missouri; they reached high stages and damaged crops to some extent. The crest of the wave passed out of the Missouri River on the 12th, and only below the mouth of the Osage were the stages particularly high in the main river, and at no point was flood stage reached. At the end of the month all of the streams, from the mountains to St. Louis, contained a very small amount of water for the season.

### MISCELLANEOUS.

Early in the month some snow fell in Montana, Wyoming, Colorado, and the Dakotas. The amounts were light except over a few small areas in Montana. There was no damage of any consequence by lightning, wind, or hail; in fact, the absence of violent storms was noteworthy. Ranges in the plateau country, just east of the mountains, were very dry at the end of the month.

### EXTRACTS FROM SECTION DIRECTORS' SUMMARIES.

*Montana.*—The month was warmer and drier than usual over nearly the entire Missouri drainage basin in Montana. It was the warmest June since 1903, and one of the 4 warmest of the last 16 years. It was the driest since 1904, but there have been 5 as dry or drier during the last 16 years. There is very little snow in any of the mountains; it melted early and the streams are all low now. The prospects for water for mining and irrigation during July and August are not good.—*R. Frank Young.*

*Wyoming.*—The temperatures were high, the monthly averages being 1° to 5° above the normal at nearly all stations. The month was the driest June in the last 18 years. The ranges are in an unusually poor condition, the continued lack of rain having prevented the growth of vegetation; feed is reported to be shorter than ever known at this time of the year. The streams are low; irrigation water is becoming deficient on many of the small streams, and the native meadows are giving promise of light yields of hay.—*W. S. Palmer.*

*Colorado.*—The weather was uniformly warm; the day temperatures were high, but the nights were cool. The daily mean temperatures were above the normal during the greater part of the month, but there were no marked departures from the normal. Except in the mountain region in the northwestern portion of this part of the district, and locally in Phillips County, the rainfall was considerably below the normal for June.—*F. H. Brandenburg.*

*North Dakota.*—Unfavorable weather prevailed and vegetation is in a somewhat serious condition. The temperature average was 4° above the normal; this departure was due principally to high day temperatures, although during the last

decade the nights were warm. Hot and dry winds prevailed on several days, particularly on the 20th. The precipitation was greatly deficient in most parts of the State. Only 5 stations had amounts in excess of the normal.—*Orris W. Roberts.*

*South Dakota.*—It was excessively warm after the 15th. Insufficient moisture in many localities was unfavorable for small grain and flax, and especially for grass and pasture, which in most places are short for the season. Drought in the Black Hills Forest Reserve kept the reserve force busy most of the month fighting forest fires. Several of these fires were of great extent and did considerable damage to crops in the valleys of the reserve, as well as to forest growth. The water in many of the streams is unusually low for June.—*S. W. Glenn.*

*Nebraska.*—The mean temperature was about normal, the rainfall was deficient, there was an excess of sunshine. The rains of the first part of the month were beneficial to small grain and grass. The dry weather later in the month injured small grain some in parts of the State and grass was much injured. Corn was not hurt much by the dry weather, but it is small and backward on account of the cold weather early in the season.—*G. A. Loveland.*

*Kansas.*—The month was cool and dry. Hot winds occurred over the headwaters of the Republican River from the 19th to the 23d. The weather conditions were favorable for farming operations.—*T. B. Jennings.*

*Iowa.*—Owing to the high temperatures during the last half of the month corn made very rapid growth. The soil is in excellent tilth and in good condition to withstand drought. While there has been much less than the normal amount of rain grass and early potatoes only have suffered.—*G. M. Chappel.*

*Missouri.*—In Boone County 5 wooden and 2 steel bridges were carried away by high water, the result of excessive rainfall of the 7–8th. During the afternoon of the 9th a severe storm passed over Jefferson City, damaging 5 buildings at the State penitentiary, and generally wrecking the wire facilities of the town.—*George Reeder.*

TABLE 1.—*Climatological data for June, 1910. District No. 6, Missouri Valley.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Wyoming.* | | | | | | | | | | | | | | | | | | | | |
| Arapahoe | Fremont | | 2 | | | | | | | | | | | | | | | | | David Malloy. |
| Barnum | Johnson | 5,500 | 5 | | | | | | | | 0.02 | | 0.02 | 0.0 | 1 | 24 | 6 | 0 | w. | Thomas Freegaurd. |
| Basin | Big Horn | 3,862 | 11 | 67.5 | + 0.6 | 99 | 28† | 40 | 3† | 49 | 0.73 | − 0.36 | 0.48 | 0.0 | 3 | 18 | 9 | 3 | nw. | O. J. Robertson. |
| Bennett | Carbon | | 2 | | | | | | | | 1.58 | | 1.05 | 0.0 | 3 | 22 | 6 | 2 | sw. | Chas. C. Young. |
| Big Creek Station | Albany | | | | | | | | | | 0.71 | | 0.40[a] | 0.0 | 3[a] | 14[a] | 9[a] | 0[a] | sw. | U. S. Forest Service. |
| Casper | Natrona | 5,101 | 2 | | | | | | | | | | | | | | | | | M. C. Cook. |
| Cheyenne | Laramie | 6,088 | 39 | 62.7 | + 1.2 | 91 | 19 | 37 | 9 | 42 | 0.76 | − 0.81 | 0.28 | 0.0 | 9 | 9 | 17 | 4 | s. | U. S. Weather Bureau. |
| Chugwater | do | 5,282 | 9 | 62.8 | + 3.2 | 95 | 19 | 35 | 9† | 57 | 1.66 | − 0.73 | 1.44 | 0.0 | .... | 10 | 17 | 3 | se. | George Milne. |
| Clark | Big Horn | 4,320 | 4 | 67.0 | | 99 | 20 | 35 | 3 | 37 | 0.79 | | 0.50 | 0.0 | 4 | 14 | 9 | 7 | ne | Chas. A. C. Snow. |
| Cody | do | 5,000 | 3 | 63.0 | | 94 | 20 | 31 | 3 | 49 | T. | | T. | 0.0 | 0 | 19 | 11 | 0 | w. | F. A. Fish. |
| Crystal Lake Reservoir | Laramie | 6,930 | 1 | 59.0 | | 85[a] | 21† | 28[a] | 4 | 47[a] | 0.65 | | 0.41 | 0.0 | 3[a] | 6[a] | 19[a] | 4[a] | e. | Cheyenne City Engineer. |
| Dome Lake | Sheridan | 8,821 | 2 | 52.0 | | 76 | 27 | 20 | 3 | 39 | 0.33 | | 0.15 | 0.0 | 6 | 9 | 17 | 4 | sw. | Chas. Hidlay. |
| Douglas | Converse | 4,793 | 1 | | | | | | | | | | | | | | | | | Henry C. Miller. |
| Dubois | Fremont | 6,909 | 3 | 56.4 | | 88 | 25 | 27 | 4 | 47 | 0.55 | | 0.18 | 0.0 | 5 | 15 | 14 | 1 | w. | Dr. F. H. Welty. |
| Eaton's Ranch | Sheridan | 4,600 | 5 | 65.6 | | 96[a] | 20 | 29[a] | 3 | 43[a] | 0.83 | | 0.26[a] | 0.0 | 6[a] | 16[a] | 13[a] | 0[a] | n. | F. A. Eaton. |
| Echeta | Crook | 4,200 | 1 | | | | | | | | 0.95 | | 0.30 | 0.0 | 4 | 26 | 4 | 0 | s. | M. R. Hunter. |
| Elk Mountain | Carbon | | 5 | | | | | | | | 1.70 | | 1.01 | 0.0 | 6 | | | | | Wm. Richardson. |
| Encampment | do | 7,322 | 1 | 61.2 | | 84[b] | 19 | 31[b] | 3† | 43[b] | 0.42 | | 0.11[b] | 0.0 | 5[b] | 15[b] | 11[b] | 2[b] | sw. | U. S. Forest Service. |
| Ervay | Natrona | | 1 | 59.4 | | 87 | 19 | 29 | 5 | 43 | 0.70 | | 0.45 | 0.0 | 3 | 25 | 5 | 0 | se. | Frank Jameson. |
| Fort Laramie | Laramie | 4,270 | 32 | 68.7 | + 3.2 | 100 | 19 | 37 | 10 | 53 | 0.35 | − 1.39 | 0.30 | 0.0 | 3 | 22 | 6 | 1 | e. | John Hunton. |
| Fox Creek Station | Albany | | | 49.1[e] | | 75[e] | 19 | 25[e] | 9† | 47[e] | 0.48 | | 0.26[e] | 0.0 | 4[e] | 8[e] | 13[e] | 4[e] | w. | U. S. Forest Service. |
| Gillette | Crook | 4,546 | 3 | 67.8 | | 101 | 19† | 35 | 3 | 43 | 0.81 | | 0.29 | 0.0 | 5 | 15 | 12 | 3 | ..... | S. D. Perry. |
| Granite Canyon | Laramie | 7,337 | 5 | | | | | | | | | | | | | | | | | Lee A. Boyce. |
| Hunters' Station | Johnson | 8,000 | 4 | 53.6 | | 83 | 27 | 22 | 3 | 43 | 1.09 | | 0.32 | T. | 8 | 18 | 10 | 2 | w. | U. S. Forest Service. |
| Hyattville | Big Horn | 4,632 | 11 | 65.3 | + 2.2 | 100 | 27 | 33 | 3 | 44 | | | | 0.0 | 2 | 18 | 6 | 6 | ..... | Wm. Booth. |
| Kirtley | Converse | | 6 | 64.8 | + 5.2 | 94 | 16 | 36 | 4† | 43 | 1.01 | − 1.61 | 0.63 | 0.0 | 7 | 25 | 2 | 3 | s. | D. M. Zum Brunnen. |
| Kirwin | Big Horn | 9,187 | 2 | 48.4 | | 71 | 26† | 24 | 4 | 35 | 0.80 | | 0.30 | 0.0 | 4 | 13 | 16 | 1 | w. | C. L. Tewksbury. |
| Knowles | Crook | | 1 | | | | | | | | 1.96 | | 0.50 | 0.0 | 11 | | | | | G. A. Knowles. |
| Lander | Fremont | 5,372 | 18 | 63.4 | + 2.1 | 91 | 27 | 33 | 3 | 49 | 0.46 | − 0.65 | 0.20 | 0.0 | 4 | 15 | 12 | 3 | nw. | U. S. Weather Bureau. |
| Laramie | Albany | 7,188 | 19 | 60.0 | + 3.8 | 85 | 19 | 30 | 9 | 43 | 1.52 | + 0.40 | 0.61 | 0.0 | 6 | 17 | 7 | 6 | s. | University of Wyoming. |
| Leo | do | 6,878 | 9 | 61.4 | + 5.6 | 87[a] | 20 | 26[a] | 9 | 53[a] | 0.96 | − 0.06 | 0.92[a] | 0.0 | 2[a] | 14[a] | 14[a] | 1[a] | w. | C. A. Cowdin. |
| Lolobama Ranch | Big Horn | 7,052 | 6 | 53.3 | + 2.2 | 85 | 26 | 28 | 9† | 50 | 0.50 | − 1.10 | 0.20 | 0.0 | 4 | 14 | 15 | 1 | e. | Mary E. Painter. |
| Lovell | do | | 5 | 66.0 | + 1.5 | 97 | 20 | 35 | 3 | 48 | 0.38 | | 0.34 | 0.0 | 2 | 16 | 10 | 4 | n. | R. Fred Harrison. |
| Lusk | Converse | 5,007 | 20 | 63.9 | + 2.5 | 92 | 19† | 37 | 2† | 40 | 1.13 | − 1.46 | 0.37 | 0.0 | 4 | | | | | D. E. Goddard. |
| Luther | Laramie | | 1 | 64.3 | | 91 | 21 | 37 | 11 | 47 | 1.10 | | 0.60 | 0.0 | 4 | | | | se. | Henry D. Colburn. |
| Manville | Converse | 5,050 | 1 | | | | | | | | 0.83 | | 0.40 | 0.0 | 9 | 20 | 10 | 0 | se. | C. A. Sherman. |
| Moorcroft | Crook | 4,211 | 7 | 66.0 | + 3.4 | 99 | 20 | 29 | 3 | 52 | 0.28 | − 1.85 | 0.20 | 0.0 | 4 | 11 | 14 | 5 | ..... | James K. Somers. |
| Moore | Albany | 6,000 | 9 | 62.1 | + 3.4 | 90 | 20† | 32 | 11 | 51 | 0.91 | − 1.15 | 0.27 | 0.0 | 6 | 6 | 17 | 7 | e. | Edwin Moore. |
| Newcastle | Weston | 4,319 | 3 | 68.4 | | 100 | 20 | 36 | 3 | 41 | 0.70 | | 0.23 | 0.0 | 5 | 15 | 14 | 1 | nw. | Dr. S. W. Johnson. |
| Pathfinder | Natrona | 5,735 | 4 | 67.7 | + 4.9 | 97 | 28 | 34 | 3 | 43 | 1.71 | + 0.63 | 1.25 | 0.0 | 4 | 24 | 6 | 0 | sw. | U. S. Reclamation Service. |
| Phillips | Laramie | 4,900 | 7 | 65.0[f] | + 4.5 | 95[f] | 20 | 39[f] | 8 | 41[f] | 0.58 | − 1.99 | 0.35[f] | 0.0 | 2[f] | 13[f] | 11[f] | 0[f] | nw. | Mrs. Arthur Rugg. |
| Pine Bluff | do | 5,038 | 9 | | | | | | | | | | | | | | | | | Sumner Miller. |
| Powell | Big Horn | 4,376 | 3 | | | | | | | | | | | | | | | | | U. S. Reclamation Service. |
| Rawlins | Carbon | 6,748 | 8 | 63.6 | + 3.6 | 89 | 27 | 32 | 3† | 47 | 0.45 | − 0.59 | 0.30 | 0.0 | 3 | 23 | 7 | 0 | w. | C. J. Ehrenfeld. |
| Riverton | Big Horn | 4,960 | 2 | | | | | | | | | | | | | | | | | Fred L. McGiffin. |
| Saratoga | Carbon | 7,300 | 12 | 60.8 | + 2.2 | 86 | 20 | 31 | 3† | 45 | 0.73 | + 0.01 | 0.24 | 0.0 | 5 | 19 | 6 | 3 | e. | Saratoga & Enc'pm'nt Ry. |
| Sheridan | Sheridan | 3,790 | 15 | 63.6 | + 3.3 | 99 | 20 | 31 | 3 | 53 | 0.43 | − 1.56 | 0.20 | 0.0 | 8 | 12 | 13 | 5 | nw. | U. S. Weather Bureau. |
| Shoshone Dam | Big Horn | 5,385 | 4 | | | | | | | | | | | | | | | | | U. S. Reclamation Service. |
| Soldiers Home | Johnson | 4,635 | 18 | 66.0 | + 8.5 | 94 | 20 | 32 | 3 | 40 | 1.78 | − 0.38 | 1.10 | 0.0 | 7 | 10 | 20 | 0 | nw. | Geo. L. Courtney. |
| South Pass City | Fremont | 7,573 | 8 | 53.2 | | 80 | 20 | 21 | 9† | 51 | 0.39 | | 0.15 | 0.0 | 7 | 14 | 9 | 7 | sw. | John Sherlock. |
| Thermopolis | do | 4,350 | 6 | 67.7 | + 3.4 | 99 | 27 | 35 | 4† | 54 | 1.10 | | 0.76 | 0.0 | 3 | 20 | 8 | 2 | sw. | A. L. Duhig. |
| Upton | Weston | | 1 | | | | | | | | 2.45 | | 1.75 | 0.0 | 5 | 6 | 13 | 11 | sw. | G. E. McPherren. |
| Valley | Big Horn | 6,500 | 1 | | | | | | | | 0.21 | | 0.06 | 0.0 | 5 | 7 | 23 | 0 | w. | Jas. L. McLaughlin. |
| Verona | Sheridan | | 1 | | | | | | | | 0.37 | | 0.15 | 0.0 | 3 | 10 | 20 | 0 | sw. | O. A. Roode. |
| Wiley | Big Horn | 5,375 | 1 | 63.7 | | 94 | 20 | 33 | 3 | 40 | 0.38 | | 0.15 | 0.0 | 7 | 19 | 10 | 1 | w. | C. D. Marshall. |
| Wyncote | Laramie | 4,207 | 3 | 67.6 | | 97 | 23 | 39 | 10 | 47 | 0.36 | | 0.25 | 0.0 | 2 | 22 | 5 | 3 | e. | U. S. Reclamation Service. |
| Yellowstone Park | National Park | 6,300 | 22 | 56.0 | 0.0 | 85 | 27 | 27 | 3 | 41 | 0.61 | − 1.03 | 0.13 | 0.0 | 9 | 11 | 13 | 6 | sw. | U. S. Weather Bureau. |
| (1) Fountain Hotel | do | 7,220 | 4 | 50.1 | | 83 | 27† | 21 | 3 | 55 | 0.33 | | 0.14 | 0.0 | 3 | 21 | 5 | 4 | s. | U. S. Army. |
| (2) Grand Canyon | do | 7,900 | 3 | | | | | | | | 0.65 | | 0.20 | 0.0 | 4 | 17 | 7 | 6 | w. | Do. |
| (3) Lake Hotel | do | 7,733 | 6 | 49.8 | | 80 | 27 | 22 | 3 | 44 | 0.43 | | 0.18 | 0.0 | 6 | 18 | 5 | 7 | s. | Do. |
| (4) Norris Gey. Basin | do | 7,525 | 6 | 49.7 | | 82 | 11 | 21 | 14 | 58 | 0.19 | | 0.15 | 0.0 | 2 | 19 | 4 | 7 | w. | Do. |
| (5) Riverside | do | 6,500 | 4 | 52.0 | | 85 | 26 | 24 | 9† | 55 | 0.41 | | 0.27 | 0.0 | 2 | 18 | 10 | 2 | w. | Do. |
| (6) Soda Butte | do | 7,000 | 5 | 52.5 | | 90 | 29 | 21 | 3 | 52 | 0.61 | | 0.30 | 0.0 | 5 | 17 | 13 | 0 | w. | Do. |
| (7) Sylvan Pass | do | 7,000 | 3 | 54.2 | | 89 | 22 | 26 | 9 | 56 | 0.50 | | 0.20 | 0.0 | 4 | 16 | 12 | 2 | w. | Do. |
| (8) Thumb | do | 7,772 | 4 | 51.6 | | 82 | 27† | 22 | 3 | 51 | 0.18 | | 0.18 | 0.0 | 1 | 21 | 4 | 5 | sw. | Do. |
| (9) Tower Falls | do | 6,250 | 1 | 54.6 | | 90 | 11 | 23 | 3 | 54 | 0.53 | | 0.23 | 0.0 | 6 | 19 | 0 | 11 | e. | Do. |
| (10) Upper Gey. Basin | do | 7,395 | 6 | 53.2 | | 90 | 26 | 24 | 3 | 58 | | | | | | 16 | 10 | 4 | sw. | Do. |
| *Montana.* | | | | | | | | | | | | | | | | | | | | |
| Adams | Dawson | | 2 | 64.2 | | 101 | 20 | 30 | 3 | 46 | 1.19 | | 0.40 | 0.0 | 5 | 19 | 9 | 2 | nw. | W. B. Ennis. |
| Adel | Cascade | 5,200 | 11 | 58.7 | + 5.6 | 90 | 27 | 21 | 3 | 51 | 2.12 | − 1.30 | 1.00 | 0.0 | 11 | 9 | 12 | 9 | w. | Bessie F. Burch. |
| Agricultural College | Gallatin | 4,700 | 12 | | | | | | | | | | | | | | | | | J. L. McCraw. |
| Augusta | Lewis & Clark | 4,371 | 12 | 58.0 | + 2.7 | 92 | 26 | 27 | 2† | 54 | 1.49 | − 1.80 | 0.64 | 0.0 | 5 | 26 | 3 | 1 | w. | C. C. Covington. |
| Babb | Teton | 4,461 | 4 | 54.0 | | 83 | 26 | 29 | 2† | 44 | 1.65 | | 1.18 | T. | 6 | 15 | 11 | 4 | sw. | U. S. Reclamation Service. |
| Bald Butte | Lewis & Clark | 6,500 | | | | | | | | | 1.85 | | 0.34 | 3.0 | 10 | 12 | 10 | 8 | ..... | Matt W. Alderson. |
| Big Creek | Park | 5,800 | 2 | | | | | | | | 0.89 | | 0.82 | 0.0 | 2 | 7 | 20 | 3 | e. | Peter Vink. |
| Big Timber | Sweetgrass | 4,072 | 5 | 64.6 | | 93 | 27 | 35 | 4 | 45 | 1.60 | | 0.75 | 0.0 | 5 | 15 | 13 | 2 | w. | W. H. Patterson. |
| Big Timber Creek | do | | | | | | | | | | | | | | | | | | | Do. |
| Billings | Yellowstone | 3,115 | 15 | 66.6 | + 4.1 | 103 | 20† | 31 | 4 | 56 | 0.50 | − 2.03 | 0.30 | 0.0 | 2 | .... | .... | .... | e. | U. S. Weather Bureau. |
| Boulder Noursery | Jefferson | 4,920 | 14 | 55.4 | − 0.4 | 91[a] | 27 | 24[a] | 3 | 53 | 1.98 | 0.00 | 0.54 | 0.0 | 11 | 7[a] | 22[a] | 0[a] | ..... | U. S. Forest Service. |
| Bowen | Beaverhead | 6,060 | 4 | 51.0 | | 85 | 26 | 21 | 3† | 55 | 0.48 | | 0.20 | 0.0 | 6 | 20 | 7 | 3 | ..... | B. B. Lawrence. |
| Bridger | Carbon | 3,664 | 2 | 65.4 | | 99[a] | 20 | 34[a] | 4 | 51[a] | 0.33 | | 0.28 | 0.0 | 2 | 11[a] | 13[a] | 5[a] | n. | L. E. Gard. |
| Broadview Exp. Station | Yellowstone | | 4 | 63.4 | | 102 | 27 | 29 | 4† | 57 | 1.56 | | 1.00 | 0.0 | 10 | 15 | 14 | 1 | e. | Thos. S. Hunt. |
| Busby | Rosebud | | 5 | 64.5 | | 102 | 27† | 27 | 3 | 57 | 1.08 | | 0.75 | 0.0 | 6 | 13 | 13 | 4 | e. | G. A. Linschied. |
| Busteed | Sweetgrass | | 2 | 62.4 | | 97 | 27 | 31 | 4 | 51 | 1.05 | | 0.55 | 0.0 | 8 | 15 | 14 | 1 | nw. | Thos. H. Busteed. |
| Butte | Silver Bow | 5,716 | 15 | 59.6 | + 4.1 | 92 | 26 | 28 | 3 | 43 | 1.75 | − 0.09 | 1.00 | T. | 5 | 11 | 5 | 14 | nw. | J. R. Warton. |
| Canyon Ferry | Lewis & Clark | 3,644 | 12 | 63.4 | + 2.7 | 95 | 27 | 31 | 3 | 47 | 2.95 | + 0.85 | 1.55 | 0.0 | 9 | 17 | 9 | 4 | nw. | A. C. Pratt. |
| Cascade | Cascade | 3,361 | 5 | 62.4 | | 98 | 26 | 24 | 3 | 51 | 1.86 | | 0.91 | T. | 10 | 20 | 9 | 1 | sw. | E. E. James. |
| Cataract Creek | Jefferson | 7,000 | | | | | | | | | | | | | | | | | | Fred Gerdes. |
| Chessman Reservoir | Lewis & Clark | 5,275 | 2 | 53.5 | | 85 | 27 | 22 | 3 | 37 | 2.68 | | 0.67 | T. | 12 | 21 | 2 | 7 | sw. | Chas. D. Schmidt. |
| Chester | Chouteau | 3,140 | 7 | | | | | | | | | | | | | | | | | B. B. Weldy. |
| Chinook | do | 2,502 | 10 | 67.0[d] | + 4.1 | 104[d] | 26 | 30[d] | 3 | 58[d] | 1.44 | − 1.27 | 0.34 | 0.0 | 11 | 10[e] | 11[e] | 6[e] | w. | Thos. O'Hanlon Co. |
| Chouteau | Teton | 3,810 | 6 | | | | | | | | | | | | | | | | | H. Van De Riet. |
| Clear Creek | Chouteau | | 4 | | | | | | | | | | | | | | | | | Cortes Sedgwick. |
| Clemons | Lewis & Clark | 4,672 | .... | | | | | | | | 1.96 | | 0.73 | 0.3 | 9 | 8 | 13 | 9 | w. | Frank Eberl. |
| Copper | Meagher | | 5 | | | | | | | | 2.48 | | 0.90 | 4.0 | 11 | 15 | 13 | 2 | w. | Orville Harris. |
| Crow Agency | Rosebud | 3,041 | 28 | 67.4[b] | + 3.5 | 102[b] | 27 | 33[b] | 5 | 56[b] | | | | 0.0 | | | | | | F. E. Server. |
| Culbertson | Valley | 1,927 | 8 | 67.4 | | 104 | 20† | 34 | 2 | 47 | 1.94 | | 1.50 | 1.0 | 4 | 9 | 18 | 3 | se. | G. H. Coulter |

TABLE 1.—*Climatological data for June, 1910. District No. 6*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Montana*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Cut Bank | Teton | 3,700 | 12 | 60.6 | + 5.3 | 94 | 26 | 27 | 4 | 45 | 1.73 | − 1.15 | 0.50 | 0.0 | 6 | 21 | 5 | 4 | w. | Chas. N. Thomas. |
| Decker | Rosebud | 3,400 | 6 | | | | | | | | | | | | | | | | | Adam Anderson. |
| Delpine | Meagher | 5,000 | | | | | | | | | 1.36 | | 0.70 | 0.0 | 12 | 7 | 18 | 5 | w. | T. B. Holliday. |
| Denton | Fergus | | 2 | | | | | | | | | | | | | | | | | R. M. Chamberlain. |
| Dillon | Beaverhead | 5,147 | 13 | 59.4 | + 1.4 | 89 | 28 | 35 | 3† | 46 | 1.17 | − 1.19 | 0.52 | 0.0 | 12 | 13 | 15 | 2 | sw. | J. E. Monroe. |
| Dirty Creek | Meagher | 6,000 | | | | | | | | | 1.90 | | 0.83 | T. | 11 | 21 | 5 | 4 | w. | Lewis Cameron. |
| Dry Creek | Broadwater | 5,500 | | | | | | | | | 1.67 | | 1.20 | 5.0 | 7 | 16 | 14 | 0 | sw. | J. C. Stuart. |
| Dry Wolf Camp | Cascade | 6,000 | | | | | | | | | 3.48 | | 1.00 | 0.0 | 11 | 12 | 6 | 12 | sw. | Mrs. R. J. Eveleth. |
| East Gallatin River | Gallatin | 6,000 | | | | | | | | | 1.42 | | 1.04 | 2.0 | 6 | 25 | 3 | 2 | w. | John Eberhart. |
| Ekalaka | Custer | | 10 | 67.0 | + 4.3 | 102 | 28 | 29 | 3 | 43 | 2.37 | | 0.70 | 0.0 | 6 | 21 | 5 | 4 | w. | Wm. Freese. |
| Elkhorn | Jefferson | 6,576 | 1 | | | | | | | | 2.24 | | 0.57 | 1.5 | 12 | 10 | 11 | 9 | sw. | James Heagan. |
| Evans | Cascade | 4,900 | 3 | | | | | | | | | | | | | | | | | H. Tharsher. |
| Fallon | Custer | 2,208 | 6 | 66.4 | | 106 | 20 | 33 | 3† | 46 | 2.53 | | 1.14 | 0.0 | 5 | 14 | 13 | 3 | w. | Mrs. A. C. Gifford |
| Family‖ | Teton | 3,950 | 1 | 62.4 | | 98 | 19† | 22 | 22 | 55 | 1.77 | | 0.87 | 0.0 | 6 | 17 | 11 | 2 | w. | U. S. Reclamation Service. |
| Fish Creek**‖ | Silver Bow | 8,500 | | 51.9 | | 80 | 26† | 24 | 3 | 34 | 2.60 | | 1.16 | 10.8 | 7 | | | | | O. B. Tilton. |
| Fish Tail Creek | Carbon | 5,000 | | | | | | | | | 0.31 | | 0.09 | 0.0 | 8 | 19 | 10 | 1 | w. | O. E. Haskin. |
| Flathead Creek | Gallatin | 6,000 | | | | | | | | | 1.69 | | 0.50 | 1.8 | 9 | 16 | 12 | 2 | nw. | L. G. Brown. |
| Forsyth | Rosebud | 2,514 | 4 | 68.7 | | 105[b] | 20† | 32[a] | 4 | 49[b] | 2.01 | | 0.73 | 0.0 | 7 | 16[a] | 11[a] | 2[a] | e. | W. F. Clarke. |
| Fort Benton | Chouteau | 2,630 | 35 | 65.1 | + 2.3 | 104[a] | 26 | 30[a] | 3 | 40[a] | | | | 0.0 | | | | | | Jere Sullivan. |
| Fort Shaw | Cascade | 3,500 | 22 | 63.1 | + 0.5 | 96 | 26 | 32 | 2 | 49 | 1.97 | − 0.27 | 1.00 | 0.0 | 4 | 17 | 11 | 2 | sw. | U. S. Reclamation Service. |
| Fort W. H. Harrison‖ | Lewis & Clark | 4,004 | 6 | 63.0 | | 98 | 26 | 29 | 3 | 44 | | | | | | 21 | 5 | 4 | e. | Post Hospital. |
| Foster | Yellowstone | | | 66.4 | | 105 | 20 | 30 | 4 | 60 | 0.63 | | 0.32 | 0.0 | 5 | 17 | 11 | 2 | n. | E. K. Bowman. |
| Garneil | Fergus | 5,503 | 1 | 52.6[a] | | 85[a] | 27 | 12[a] | 3 | 41[a] | 4.38 | | 2.50 | 1.0 | 10 | 0[a] | 17[a] | 12[a] | se. | Thos. E. Scally. |
| Glendive | Dawson | 2,069 | 20 | 69.4 | + 4.1 | 108 | 20 | 35 | 3 | 50 | 2.03 | − 1.35 | 1.20 | 0.0 | 4 | | | | | W. B. Walker. |
| Goldbutte | Chouteau | | 3 | 61.8 | | 104 | 27 | 27 | 4 | 48 | 2.00 | | 1.07 | T. | 10 | 11 | 15 | 4 | w. | J. T. Berthelote. |
| Graham | Custer | | 4 | 66.4 | | 102 | 28 | 26 | 3 | 45 | 2.22 | | 0.72 | 0.0 | 9 | 17 | 11 | 2 | nw. | J. S. Rue. |
| Grayling | Gallatin | 6,700 | 4 | 50.9[a] | | 82[a] | 27 | 22[a] | 3 | 53[a] | 0.29 | | 0.16 | 0.0 | 3 | 16[a] | 6[a] | 3[a] | sw. | P. Kerzenmacher. |
| Great Falls | Cascade | 3,350 | 19 | 64.4 | + 3.3 | 97 | 26 | 36 | 2† | 43 | 3.04 | − 0.41 | 1.84 | 0.0 | 10 | 14 | 12 | 4 | sw. | S. H. Bauman. |
| Half Moon Pass | Fergus | 6,500 | | | | | | | | | 8.61 | | 3.00 | T. | 9 | 5 | 25 | 0 | w. | Thos. Stigen. |
| Half Way House | Broadwater | 6,000 | | | | | | | | | 2.16 | | 1.33 | 0.0 | 9 | 19 | 5 | 6 | sw. | Gordon Deans. |
| Harlowton | Meagher | 4,165 | 2 | | | | | | | | | | | | | | | | | Joseph Muir. |
| Hassel | Broadwater | 5,200 | | | | | | | | | 2.86 | | 0.90 | 0.0 | 7 | 1 | 27 | 2 | sw. | E. C. Albrecht. |
| Havre | Chouteau | 2,505 | 30 | 65.0 | + 2.6 | 101 | 26 | 29 | 3 | 47 | 1.23 | − 1.59 | 0.76 | 0.0 | 10 | 16 | 11 | 3 | e. | U. S. Weather Bureau. |
| Helena | Lewis & Clark | 4,110 | 30 | 62.0 | − 1.4 | 96 | 26 | 31 | 3 | 42 | 1.90 | − 0.21 | 1.10 | 0.0 | 11 | 11 | 11 | 8 | sw. | Do. |
| Highwood | Chouteau | | 3 | | | | | | | | 3.17 | | 2.17 | T. | 9 | 14 | 9 | 7 | e. | W. S. McCord. |
| Home Park | Madison | | 5 | | | | | | | | 0.78 | | 0.45 | 0.0 | 3 | 24 | 4 | 2 | w. | H. L. Miller. |
| Huntley | Yellowstone | 3,014 | 4 | 68.8 | | 104 | 28 | 33 | 4 | 54 | 0.92 | | 0.63 | 0.0 | 3 | 12 | 16 | 2 | s. | U. S. Reclamation Service. |
| Jones Canyon | Gallatin | 6,800 | | | | | | | | | 2.41 | | 1.96 | 0.0 | 7 | | | | w. | Jas. McCune. |
| Jordon | Dawson | | 5 | 69.4 | | 103 | 21† | 29 | 3 | 55 | | | | | | 28 | 0 | 2 | e. | W. C. Henderson. |
| Kleinsmith Creek | Jefferson | 6,000 | 1 | | | | | | | | 1.78 | | 0.75 | 0.0 | 6 | 7 | 21 | 2 | w. | Mrs. E. W. Mills. |
| Lewistown | Fergus | 4,010 | 13 | 59.5 | + 1.9 | 94 | 27 | 25 | 3 | 47 | 2.28 | − 1.24 | 1.08 | 0.0 | 7 | 17 | 10 | 3 | w. | W. W. Watson. |
| Livingston | Park | 4,488 | 13 | 63.8 | + 4.3 | 99 | 27 | 29 | 3 | 48 | 1.01 | − 0.88 | 0.75 | 0.0 | 4 | 15 | 12 | 3 | sw. | Lewis Terwilliger. |
| Lodge Pole Creek | Sweetgrass | 5,700 | | | | | | | | | | | | | | | | | | F. G. White. |
| Lone Tree | Chouteau | | 5 | 64.8 | | 99 | 2.† | 28 | 3 | 46 | 2.82 | | 1.38 | 0.0 | 12 | 18 | 8 | 4 | w. | E. Wilson. |
| Lost Horse Creek | Meagher | 5,800 | | | | | | | | | 1.78 | | 0.48 | 0.2 | 14 | 11 | 12 | 7 | w. | C. M. Mason. |
| Malta | Valley | 2,240 | 3 | 66.6 | | 103[a] | 27 | 28[a] | 3 | 47[a] | 0.64 | | 0.50 | 0.0 | 4 | 11[a] | 17[a] | 1[a] | nw. | U. S. Reclamation Service. |
| Meadow Creek | Madison | 6,703 | | | | | | | | | | | | | | | | | | F. E. Parent. |
| Melstone | Fergus | 2,903 | | | | | | | | | 2.88 | | 1.15 | 0.0 | 3 | | | | | E. J. Parkinson. |
| Mildred | Custer | | | | | | | | | | 5.50 | | 2.51 | 0.0 | 8 | 15 | 14 | 1 | sc. | Leon B. Clarke. |
| Miles City | do | 2,371 | 19 | 69.8 | + 3.8 | 108 | 19 | 40 | 3 | 42 | 2.81 | + 0.04 | 1.04 | 0.0 | 6 | 17 | 9 | 4 | e. | U. S. Weather Bureau. |
| Mill Creek | Park | 5,500 | 1 | | | | | | | | | | | | | | | | | W. H. Edick. |
| Moore | Fergus | | 3 | | | | | | | | 1.96 | | 1.17 | 0.0 | 4 | 21 | 6 | 3 | w. | Clyde Grove. |
| Mudd Creek | Deer Lodge | | | | | | | | | | | | | | | | | | | Emory Mudd. |
| Norris | Madison | 4,845 | 4 | | | | | | | | | | | | | | | | | Madison River Power Co. |
| Nye | Sweetgrass | | 2 | | | | | | | | | | | | | | | | | F. L. Bryant. |
| Olsen Creek | Jefferson | 6,345 | 1 | | | | | | | | 2.22 | | 0.80 | 0.0 | 9 | 21 | 6 | 3 | w. | Robt. Olsen. |
| Pipestone Pass | do | 7,000 | 1 | | | | | | | | 1.70 | | 0.65 | 1.5 | 9 | 10 | 20 | 0 | e. | Mrs. Theola Kiermeyer. |
| Poplar | Valley | 2,020 | 25 | 68.4 | + 4.9 | 108 | 20 | 35 | 2 | 47 | 1.50 | − 1.50 | 0.55 | T. | 4 | 18 | 10 | 2 | s. | H. M. Cozier. |
| Raymond | Teton | 4,260 | | | | | | | | | | | | | | | | | | W. H. Campbell. |
| Red Lodge | Carbon | 5,548 | 10 | 58.3 | + 2.5 | 91 | 20 | 26 | 3 | 41 | 0.84 | − 1.71 | 0.40 | 0.0 | 4 | 13 | 12 | 5 | se. | I. A. Draper. |
| Reese Creek | Gallatin | 5,900 | | | | | | | | | 1.83 | | 1.46 | 4.2 | 5 | | | | | Henry Cramer. |
| Renova | Jefferson | 4,383 | 11 | 60.0 | + 1.5 | 93 | 27 | 30 | 4 | 51 | 0.94 | − 1.05 | 0.31 | 0.0 | 8 | 20 | 6 | 4 | sw. | F. B. Elmer. |
| Rimini | Lewis & Clark | 7,900 | 2 | | | | | | | | | | | | | | | | | Milo Brooks. |
| Ryegate | Yellowstone | 3,640 | 1 | 62.3 | | 104 | 27 | 33 | 4 | 56 | 2.34 | | 1.13 | 0.0 | 8 | 17[a] | 6[a] | 4[a] | | H. W. Scherfenberg. |
| Sedan | Gallatin | 3,155 | 2 | | | | | | | | | | | | | | | | | Jas. Woosley. |
| Springbrook | Dawson | | 9 | 67.0 | | 109 | 27 | 31 | 5 | 53 | 1.21 | | 0.50 | 0.0 | 6 | 10 | 13 | 7 | s. | Mrs. H. L. Miller. |
| Stearns | Lewis & Clark | 4,500 | | | | | | | | | 1.42 | | 0.55 | 0.0 | 3 | 12 | 1 | 17 | | J. W. Hardgrove. |
| Three Forks | Gallatin | 4,066 | | 63.2 | | 100 | 27 | 29 | 3 | 55 | 1.24 | | 0.66 | 0.0 | 5 | 23 | 4 | 3 | sw. | A. A. Adams |
| Tokna‖ | Dawson | 2,050 | 5 | 67.0 | | 106 | 20† | 32 | 7 | 53 | 3.09 | | 1.10 | 0.0 | 10 | 23 | 6 | 1 | | U. S. Reclamation Service. |
| Townsend | Broadwater | 3,790 | 1 | | | | | | | | | | | | | | | | | River Observer. |
| Trail Creek | Park | 6,000 | 1 | | | | | | | | 2.09 | | 0.66 | 2.4 | 7 | 21 | 9 | 0 | w. | Andrew Wiedenbauer. |
| Utica | Fergus | 5,000 | 16 | 59.6 | + 2.1 | 95 | 27 | 24 | 3 | 51 | 1.99 | − 1.37 | 0.73 | 0.0 | 9 | 19 | 9 | 2 | w. | P. W. Korell. |
| Valentine | do | | 4 | 64.7 | | 104 | 27 | 28 | 3 | 52 | 2.24 | | 1.99 | 0.0 | 3 | 22 | 5 | 3 | w. | B. M. Bean. |
| Virginia City | Madison | 5,880 | 22 | 59.9 | + 4.0 | 90 | 27 | 28 | 3 | 36 | 0.91 | − 1.38 | 0.43 | 0.0 | 7 | 17 | 12 | 1 | w. | M. Mailand. |
| Wall Rock Mountain | Broadwater | 5,600 | | | | | | | | | 1.43 | | 1.01 | 0.8 | 6 | 18 | 11 | 1 | | D. L. Doig. |
| Warm Springs Creek | Madison | 7,500 | | | | | | | | | 0.81 | | 0.46 | 3.2 | 6 | 7 | 14 | 9 | sw. | M. D. Lytle. |
| West Rosebud Creek | Carbon | | | | | | | | | | 0.26 | | 0.15 | 0.0 | 3 | 16 | 9 | 5 | | C. P. Whitten. |
| Willow Creek | Park | 9,000 | | | | | | | | | 0.52 | | 0.52 | 0.0 | 1 | 8 | 21 | 1 | w. | John Topp. |
| Wolf Creek | Lewis & Clark | 4,000 | 5 | 63.6 | | 98 | 26 | 27 | 3 | 49 | 2.06 | | 0.90 | 0.0 | 11 | 12 | 4 | 14 | w. | A. W. Verharen. |
| Wolf Point | Valley | 1,995 | | | | | | | | | | | | | | | | | | River Observer. |
| Woodville | Jefferson | 6,376 | | | | | | | | | 2.15 | | 0.84 | 3.1 | 8 | 10 | 19 | 1 | sw. | Anna Kinman. |
| *North Dakota.* | | | | | | | | | | | | | | | | | | | | |
| Aplin | Oliver | | 3 | 68.2 | | 108 | 20 | 26 | 4 | 45 | 1.45 | | 0.58 | 0.0 | 11 | 19 | 10 | 1 | s. | J. B. Hagelbarger. |
| Beach | Billings | 2,759 | 3 | 63.4 | | 101 | 28 | 32 | 3 | 45 | 3.44 | | 1.50 | 0.0 | 5 | 17 | 11 | 2 | s. | D. J. Steiner. |
| Berthold Agency | McLean | 2,082 | 13 | 67.2 | + 4.0 | 104[a] | 20 | 25[a] | 4 | 59[a] | 4.15 | + 0.21 | 1.65 | 0.0 | 12 | 22 | 3 | 5 | se. | C. L. Hall. |
| Bismarck | Burleigh | 1,674 | 35 | 68.9 | + 4.7 | 103 | 20 | 35 | 2 | 38 | 2.95 | − 0.59 | 1.24 | T. | 13 | 14 | 11 | 5 | se. | U. S. Weather Bureau. |
| Broncho | Mercer | | 2 | 65.7 | | 104 | 20 | 20 | 3 | 43 | 2.84 | | 1.15 | T. | 7 | 5 | 19 | 6 | se. | E. M. Walker. |
| Buford | Williams | 1,944 | 4 | 65.1 | | 104[a] | 20 | 22[a] | 2 | 58[a] | 1.67 | | 0.45 | 0.0 | 9 | | | | se. | G. O. Sanford. |
| Coal Harbor | McLean | 1,901 | 13 | 68.8 | + 6.4 | 111 | 20 | 28 | 1 | 46 | 2.20 | − 1.50 | 0.83 | 0.0 | 8 | 18 | 0 | 12 | s. | F. H. Childs. |
| Dickinson | Stark | 2,453 | 17 | 65.2 | + 4.1 | 97 | 20† | 29 | 6 | 39 | 3.02 | + 0.20 | 1.61 | T. | 8 | 15 | 7 | 8 | se. | L. R. Waldron. |
| Edgeley | Lamoure | 1,468 | 8 | 66.4 | + 4.2 | 98 | 20† | 26 | 2 | 44 | 1.57 | − 2.34 | 0.67 | 0.0 | 8 | 21 | 5 | 4 | s. | O. A. Thompson. |
| Ellendale | Dickey | 1,449 | 17 | | | | | | | | | | | | | | | | | U. S. Weather Bureau. |
| Epping | Williams | | 2 | | | | | | | | 2.06 | | 0.54 | 3.0 | 10 | 15 | 11 | 4 | se. | J. C. Wilson. |
| Fullerton | Dickey | 1,439 | 11 | 67.2 | + 4.8 | 99 | 21 | 27 | 2 | 46 | 1.20 | − 1.94 | 0.46 | 0.0 | 5 | 21 | 5 | 4 | s. | F. O. Alin. |
| Haley | Bowman | | 2 | 71.2 | | 100 | 20 | 40 | 2 | 31 | 5.35 | | 1.25 | T. | 12 | 14 | 8 | 8 | se. | A. M. Oberchain. |
| Hettinger | Adams | 2,253 | 3 | | | | | | | | | | | | | | | | | F. E. Ellickson. |
| Howard | Williams | 2,275 | 3 | 63.6 | | 102 | 27 | 29 | 2 | 51 | 2.15 | | 0.75 | 5.1 | 8 | 13 | 7 | 10 | se. | C. P. Amsbaugh. |

TABLE 1.—*Climatological data for June, 1910. District No. 6*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *North Dakota*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Jamestown | Stutsman | 1,390 | 22 | 66.0 | + 2.3 | 92 | 20† | 27 | 2 | 41 | 1.72 | − 2.37 | 0.40 | 0.0 | 7 | 11 | 19 | 0 | se. | L. B. Baldwin. |
| Lamoine | Kidder | | 2 | 66.0 | ..... | 103 | 20 | 27 | 5 | 40 | 1.63 | ..... | 0.80 | 0.0 | 5 | 18 | 7 | 5 | se. | E. V. Virgin. |
| Lamoure | Lamoure | 1,307 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.79 | ..... | 0.33 | 0.0 | 8 | ..... | ..... | ..... | ..... | A. H. Ormsby |
| McHenry | Eddy | 1,509 | 1 | 65.4 | ..... | 101 | 20 | 19 | 2 | 37 | 1.06 | ..... | 0.38 | 0.0 | 7 | 15 | 12 | 3 | s. | John Knox. |
| Manfred | Wells | 1,605 | 8 | 67.7 | ..... | 104 | 20 | 28 | 2 | 44 | 2.04 | ..... | 0.93 | 0.0 | 6 | 19 | 7 | 4 | se. | P. B. Anderson. |
| Marmarth | Bowman | | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.32 | ..... | 1.18 | 0.0 | 8 | 16 | 10 | 4 | e. | S. P. Grane. |
| Marstonmoor | Stutsman | | 2 | 64.2 | ..... | 99a | 21 | 26a | 2 | 52a | 2.18 | ..... | 0.53 | T. | 8 | 18 | 8 | 4 | sw. | H. H. McCumber. |
| Medora | Billings | 2,225 | 13 | 66.5 | − 3.0 | 102b | 24 | 28b | 3 | 54b | 3.51 | + 0.99 | 0.86 | 0.0 | 7 | 13 | 16 | 1 | e. | J. W. Hesser. |
| Melville | Foster | 1,590 | 12 | 70.0d | + 7.9 | 100d | 16† | 26d | 2 | 50d | 1.85 | − 1.88 | 0.50 | 0.0 | 7 | ..... | ..... | ..... | sw. | J. P. Kidder. |
| Mott | Hettinger | | 3 | 64.0b | ..... | 102b | 20 | 27b | 5 | 41b | 4.09 | ..... | 1.11 | 0.0 | 14 | 10 | 6 | 14 | se. | O. H. Opland. |
| Napoleon | Logan | 1,955 | 18 | 66.4 | + 3.8 | 102 | 20 | 26 | 1 | 42 | 1.51 | − 2.69 | 0.48 | 0.0 | 8 | 20 | 4 | 6 | se. | C. J. Hoof. |
| New England | Hettinger | 2,400 | 14 | 66.4 | + 4.4 | 108 | 29 | 28 | 4† | 51 | 2.65 | + 0.41 | 1.20 | 0.0 | 4 | 20 | 0 | 10 | se. | W. C. McKenzie. |
| New Salem | Morton | 2,163 | 3 | 68.4 | ..... | 107 | 20 | 32 | 1 | 44 | 2.06 | ..... | 0.51 | 0.0 | 9 | 14 | 12 | 4 | se. | J. Christianson. |
| Orange | Adams | | 3 | 65.6 | ..... | 101 | 20 | 27 | 6 | 44 | 1.46 | ..... | 0.55 | 0.0 | 9 | 12 | 13 | 5 | se. | J. E. Goforth. |
| Palermo | Ward | 2,200 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | T. A. McCann. |
| Schafer | McKenzie | | 1 | 67.6 | ..... | 104 | 20 | 31 | 6 | 48 | 2.07 | ..... | 0.56 | T. | 10 | 21 | 4 | 5 | e. | F. L. Clark. |
| Steele | Kidder | 1,857 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | B. C. Smith. |
| Swartwood | Bowman | | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. F. Adams. |
| Washburn | McLean | 1,731 | 6 | 68.5 | ..... | 105 | 20 | 30 | 1 | 45 | 2.67 | ..... | 0.85 | 0.0 | 7 | 16 | 10 | 4 | s. | W. R. Peterson. |
| Williston | Williams | 1,875 | 33 | 65.7 | + 2.2 | 102 | 20 | 31 | 1 | 43 | 1.88 | − 1.69 | 0.62 | T. | 11 | 17 | 6 | 7 | se. | U. S. Weather Bureau. |
| Wishek | McIntosh | 2,010 | 5 | 65.6 | ..... | 95 | 15 | 32 | 6 | 37 | 2.47 | ..... | 0.50 | 0.0 | 8 | 16 | 12 | 2 | s. | H. E. Timm. |
| *South Dakota.* | | | | | | | | | | | | | | | | | | | | |
| Aberdeen | Brown | 1,300 | 20 | 67.6 | + 2.0 | 99 | 21 | 33 | 2 | 37 | 3.00 | − 1.33 | 1.45 | 0.0 | 5 | 17 | 4 | 9 | se. | D. G. Gallett. |
| Academy | Charles Mix | | 11 | 70.0 | + 2.7 | 101a | 21 | 41a | 6 | 40a | 4.19 | + 0.22 | 1.36 | 0.0 | 7 | 21 | 3 | 6 | se. | I. T. Lothrop. |
| Alexandria | Hanson | 1,352 | 21 | 68.1 | + 0.8 | 95 | 21 | 38 | 5 | 38 | 1.68 | − 2.68 | 0.95 | 0.0 | 5 | 20 | 9 | 1 | se. | W. S. Hill. |
| Ardmore | Fall River | 3,557 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. V. Glenn. |
| Armour | Douglas | 1,521 | 15 | 69.7 | + 2.0 | 99 | 21 | 39a | 7 | 43a | 1.65 | − 2.81 | 0.85 | 0.0 | 4 | ..... | ..... | ..... | ..... | J. S. Bean. |
| Belle Fourche | Butte | 3,030 | 2 | 67.3d | ..... | 109b | 20 | 39 | 2† | 48b | 1.84 | ..... | 0.65 | 0.0 | 8 | 12 | 13 | 5 | ne. | U. S. Reclamation Service. |
| Bowdle | Edmunds | 1,995 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Chas. Paul. |
| Brookings | Brookings | 1,636 | 21 | 66.5 | + 1.9 | 83 | 20† | 32 | 5 | 38 | 1.85 | − 2.04 | 0.78 | 0.0 | 6 | 18 | 7 | 5 | se. | Experiment Station. |
| Burke | Gregory | | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | James Connell. |
| Canton | Lincoln | 1,248 | 15 | 69.0 | + 2.0 | 97 | 18 | 30 | 6 | 42 | 1.52 | − 3.66 | 0.69 | 0.0 | 4 | 20 | 5 | 5 | se. | John H. Holsey. |
| Cascade Springs | Fall River | 3,422 | 2 | 68.8 | ..... | 99 | 19 | 41 | 5† | 44 | 1.38 | ..... | 0.88 | 0.0 | 5 | 16 | 9 | 5 | nw. | Fred Noerenberg. |
| Castlewood | Hamlin | 1,685 | 4 | 64.6 | ..... | 92 | 20† | 31 | 6 | 35 | 2.85 | ..... | 0.83 | 0.0 | 7 | 15 | 6 | 9 | se. | M. N. Bradley. |
| Centerville | Turner | 1,229 | 13 | 68.2 | ..... | 95 | 21† | 36 | 1 | 39 | 2.21 | − 2.87 | 1.56 | 0.0 | 5 | 15 | 11 | 4 | se. | Frank Williams. |
| Chamberlain | Brule | 1,363 | 13 | 71.3d | + 3.1 | 99 | 20† | 39a | 6 | 40a | 5.62 | + 2.65 | 2.50 | 0.0 | 5 | 18 | 9 | 3 | se. | G. A. Fry. |
| Clark | Clark | 1,779 | 16 | 66.0 | + 1.3 | 93 | 21 | 34 | 2 | 34 | 3.05 | − 1.37 | 1.66 | 0.0 | 5 | 21 | 5 | 4 | s. | O. H. LaCraft. |
| Clear Lake | Deuel | 1,800 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | L. F. Hanley. |
| Cottonwood | Stanley | ..... | ..... | 69.1 | ..... | 102 | 19 | 37 | 6 | 46 | 1.30 | ..... | 0.43 | 0.0 | 8 | 11 | 16 | 3 | e. | Experiment Station. |
| Davistor | Perkins | ..... | ..... | 65.3 | ..... | 101 | 20 | 28 | 6 | 40 | 1.44 | ..... | 0.38 | 0.0 | 7 | 15 | 12 | 3 | se. | G. G. Davis. |
| Deadwood | Lawrence | 4,535 | ..... | 62.8 | ..... | 95 | 20 | 32 | 3 | 43 | 1.90 | ..... | 0.45 | 0.0 | 8 | 15 | 11 | 4 | ..... | R. E. Grimshaw. |
| Deerfield | Pennington | 6,000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.86 | ..... | 0.24 | 0.0 | 8 | 15 | 10 | 5 | sw. | Frank E. Miller. |
| De Smet | Kingsbury | 1,726 | 17 | 66.5d | + 1.1 | 95d | 23 | 34d | 6 | 36d | 1.80 | − 2.03 | 1.20 | 0.0 | 2 | 20 | 7 | 3 | se. | J. G. Purintun. |
| Dowling | Stanley | 2,250 | ..... | 69.2 | ..... | 101 | 20 | 37 | 6 | 40 | 3.43 | ..... | 1.35 | 0.0 | 9 | 13 | 13 | 4 | se. | M. P. Dowling. |
| Dumont | Lawrence | 6,195 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.26 | ..... | 0.65 | 0.0 | 8 | 14 | 13 | 3 | sw. | A. B. Wood. |
| Elk Mountain | Custer | 4,700 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.46 | ..... | 0.14 | 0.0 | 5 | 15 | 10 | 5 | se. | James E. Blaine. |
| Elk Point | Union | 1,127 | 11 | 70.8b | + 1.9 | 98b | 25 | 40b | 2† | 37b | ..... | ..... | ..... | 0.0 | ..... | ..... | ..... | ..... | ..... | M. Hoffman, jr. |
| Ellingson | Perkins | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | A. O. Knutson. |
| Englewood | Lawrence | 5,723 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.07 | ..... | 0.20 | T. | 9 | 11 | 13 | 6 | s. | John B. Jolly. |
| Eureka | McPherson | 1,884 | 1 | 68.4 | ..... | 99 | 20† | 34 | 2 | 42 | 3.80 | ..... | 1.94 | 0.0 | 8 | 14 | 14 | 2 | se. | Experiment Station. |
| Faulkton | Faulk | 1,595 | 15 | 67.0 | + 2.2 | 99 | 21 | 35 | 6 | 42 | 2.42 | − 0.99 | 1.07 | 0.0 | 7 | 19 | 7 | 4 | se. | Miss Belle Talcott. |
| Flandreau | Moody | 1,565 | 20 | 66.7 | + 1.7 | 94 | 20 | 32 | 5 | 38 | 2.49 | − 1.96 | 1.00 | 0.0 | 4 | 19 | 9 | 2 | s. | W. A. Harris. |
| Forestburg | Sanborn | 1,231 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | S. S. Judy. |
| Fort Meade | Meade | 3,624 | 28 | 69.3 | + 4.9 | 101 | 20 | 37 | 2 | 40 | 1.70 | − 2.05 | 0.70 | 0.0 | 7 | 13 | 14 | 3 | s. | Post Hospital. |
| Frederick | Brown | 1,371 | 3 | 68.0d | ..... | 99d | 21 | 28d | 1 | 47d | 1.75 | ..... | 1.20 | 0.0 | 6 | ..... | ..... | ..... | ..... | J. E. Jeffers. |
| Gannvalley | Buffalo | ..... | 12 | 69.0 | + 1.8 | 100 | 21 | 38 | 6 | 42 | 5.82 | + 1.80 | 3.10 | 0.0 | 7 | 13 | 13 | 4 | se. | V. P. Drips. |
| Greenmount | Lawrence | 6,430 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.64 | ..... | 0.37 | 0.3 | 9 | 7 | 22 | 1 | s. | Hugh V. Harlan. |
| Greenwood | Charles Mix | | 16 | 71.1 | + 1.9 | 99 | 21 | 41 | 6 | 35 | 1.52 | − 2.60 | 0.55 | 0.0 | 6 | 21 | 6 | 3 | se. | T. C. Williamson. |
| Hardy Ranger Station | Lawrence | 6,600 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.35 | ..... | 0.25 | T. | 10 | 18 | 3 | 9 | s. | Mrs. Mary E. Seals. |
| Harvey's Ranch | do | 6,282 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.72 | ..... | 0.96 | 0.4 | 7 | 19 | 6 | 5 | e. | Jerome Harvey. |
| Hermosa | Custer | 3,278 | 4 | 69.4 | ..... | 101 | 20 | 39 | 2 | 44 | 0.51 | ..... | 0.23 | 0.0 | 6 | 22 | 6 | 2 | ..... | S. M. Booth. |
| Highmore | Hyde | 1,890 | 14 | 70.4 | + 3.4 | 102 | 15† | 35 | 6 | 45 | 3.74 | + 0.20 | 1.23 | 0.0 | 10 | 15 | 11 | 4 | se. | Experiment Station. |
| Hill City | Pennington | 5,067 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.70 | ..... | 0.14 | 0.0 | 11 | 16 | 11 | 3 | sw. | Geo. A. Karr. |
| Hopewell | Stanley | ..... | ..... | 70.6 | ..... | 106 | 20 | 39 | 6 | 39 | 1.78 | ..... | 0.56 | 0.0 | 9 | 11 | 15 | 4 | s. | E. R. Myers. |
| Howard | Miner | 1,564 | 18 | 65.0a | + 0.3 | 95a | 21 | 29a | 6 | 42a | 1.93 | − 2.69 | 0.82 | 0.0 | 6 | ..... | ..... | ..... | ..... | J. J. Cox. |
| Howell | Hand | ..... | 8 | 67.8 | ..... | 100 | 21 | 34 | 6 | 44 | 2.65 | ..... | 1.20 | 0.0 | 7 | 17 | 8 | 5 | se. | M. A. Shuster, jr. |
| Huron | Beadle | 1,336 | 28 | 67.8 | + 1.2 | 97 | 21 | 37 | 6 | 39 | 2.54 | − 1.24 | 1.32 | 0.0 | 8 | 18 | 6 | 6 | s. | U. S. Weather Bureau. |
| Ipswich | Edmunds | 1,530 | 13 | 66.3 | + 1.5 | 100 | 21 | 32 | 2 | 38 | 2.98 | − 0.51 | 0.95 | 0.0 | 6 | 22 | 5 | 3 | se. | J. B. Taylor. |
| Kadoka | Stanley | 2,467 | ..... | 73.6 | ..... | 102 | 19† | 48 | 3 | 33 | 1.74 | ..... | 0.83 | 0.0 | 8 | 12 | 7 | 11 | se. | Rev. D. S. Brown. |
| Kennebec | Lyman | 1,689 | 17 | 70.9 | + 4.0 | 102 | 20† | 33d | 6 | 48d | 3.29 | + 0.09 | 1.00 | 0.0 | 6 | 19 | 5 | 6 | ..... | R. C. Van Horn. |
| Kidder | Marshall | 1,295 | 6 | 67.8 | ..... | 96 | 20 | 28 | 2 | 39 | 1.95 | ..... | 0.90 | 0.0 | 4 | 25 | 3 | 2 | se. | H. C. Schussler. |
| Kimball | Brule | 1,788 | 21 | 68.3 | + 1.4 | 99 | 21 | 40 | 2† | 50 | 2.70 | − 0.70 | 2.00 | 0.0 | 4 | 19 | 5 | 6 | se. | G. D. Rose. |
| La Delle | Spink | 1,400 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | E. L. Ebbert. |
| Lead‖ | Lawrence | 5,200 | ..... | 64.3 | ..... | 92 | 20 | 33 | 3 | 34 | 1.36 | ..... | 0.33 | T. | 10 | 8 | 19 | 3 | se. | E. F. Irwin. |
| Lemmon | Perkins | 2,345 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. E. Lyman. |
| Leslie | Stanley | ..... | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | P. G. Robinson. |
| Marion | Turner | 1,447 | 9 | 68.0 | ..... | 94 | 21 | 33 | 6 | 38 | 3.51 | ..... | 1.40 | 0.0 | 6 | 18 | 10 | 2 | se. | M. H. Dains. |
| Marston | Sully | ..... | 2 | 67.2 | ..... | 103 | 20 | 33 | 1† | 48 | 5.44 | ..... | 2.46 | 0.0 | 7 | 16 | 10 | 4 | se. | John S. Walker. |
| Mellette | Spink | 1,300 | 15 | 67.9 | + 2.3 | 98 | 21 | 34 | 2 | 37 | 1.65 | − 1.93 | 0.55 | 0.0 | 9 | 20 | 6 | 4 | se. | Frank A. Howe. |
| Menno | Hutchinson | 1,325 | 13 | 68.6 | + 1.4 | 96 | 21 | 34 | 6 | 41 | 1.29 | − 3.30 | 0.37 | 0.0 | 4 | 19 | 4 | 7 | se. | J. H. Swanton. |
| Milbank | Grant | 1,148 | 19 | 66.0 | + 1.5 | 95 | 22 | 30 | 2 | 35 | 3.33 | − 0.80 | 1.34 | 0.0 | 9 | 19 | 1 | 10 | nw. | I. T. Patridge. |
| Mitchell | Davison | 1,312 | 16 | 67.8 | + 1.1 | 97 | 21 | 38 | 1† | 38 | 1.98 | − 2.42 | 0.58 | 0.0 | 7 | 24 | 2 | 4 | s. | C. W. Downey. |
| Murdo | Lyman | 2,300 | 2 | 69.6 | ..... | 102 | 20 | 40 | 2† | 54 | 1.40 | ..... | 0.50 | 0.0 | 4 | 17 | 11 | 2 | se. | L. C. Bode. |
| Oelrichs | Fall River | 3,339 | 18 | 72.0 | + 6.6 | 104 | 19 | 44 | 6 | 41 | 2.50 | − 0.68 | 1.50 | 0.0 | 3 | 4 | 24 | 1 | sw. | J. E. Strouse. |
| Orman | Butte | 2,920 | 4 | 70.2 | ..... | 106b | 20 | 37b | 9 | 37b | 1.98 | ..... | 0.58 | 0.0 | 8 | 18 | 1 | 11 | e. | U. S. Reclamation Service. |
| Ottumwa | Stanley | ..... | 2 | 70.1c | ..... | 102c | 20 | 32c | 6 | 50c | 1.51 | ..... | 0.62 | 0.0 | 5 | 16 | 8 | 6 | se. | J. W. Bretz. |
| Pierre | Hughes | 1,572 | 18 | 71.2 | + 2.3 | 101 | 20 | 41 | 6 | 38 | 2.52 | − 0.56 | 1.23 | 0.0 | 10 | 13 | 11 | 6 | se. | U. S. Weather Bureau. |
| Plankinton‖ | Aurora | 1,528 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.58 | − 0.83 | 0.92 | 0.0 | 9 | 17 | 8 | 5 | se. | W. G. Andrews. |
| Rapid City | Pennington | 3,251 | 22 | 67.8 | + 3.9 | 98 | 20 | 40 | 2 | 40 | 0.92 | − 2.57 | 0.35 | 0.0 | 12 | 10 | 6 | 14 | se. | U. S. Weather Bureau. |
| Redfield | Spink | 1,295 | 12 | 65.6 | + 1.0 | 97 | 21 | 36 | 1 | 42 | 2.10 | − 0.99 | 0.60 | 0.0 | 8 | 22 | 2 | 6 | se. | A. S. Hall. |
| Rochford | Pennington | 5,228 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.75 | ..... | 0.19 | 0.0 | 10 | 10 | 18 | 2 | nw. | Mrs. M. E. Deffenbaugh. |
| Rosebud | Meyer | 2,600 | 16 | 68.2 | + 1.5 | 98 | 22 | 38 | 6 | 46 | 2.33 | − 0.55 | 0.66 | 0.0 | 10 | 9 | 16 | 5 | sw. | W. M. Ege. |
| Roslyn | Day | ..... | 4 | 67.2 | ..... | 92 | 20† | 38 | 4 | 28 | 4.54 | ..... | 2.30 | 0.0 | 6 | 17 | 11 | 2 | s. | O. O. Floren. |
| Savoy | Lawrence | 4,500 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.43 | ..... | 0.40 | 0.0 | 10 | 7 | 22 | 1 | ..... | M. J. Hall. |
| Selby | Walworth | ..... | 2 | 68.6 | ..... | 99a | 20† | 30a | 6 | 39a | 2.91 | ..... | 1.48 | 0.0 | 8 | 22 | 8 | 0 | se. | Miss Gertrude Hall. |
| Sioux Falls | Minnehaha | 1,400 | 19 | 72.0 | + 4.6 | 98 | 20 | 40 | 5 | 36 | 1.45 | − 3.24 | 0.65 | 0.0 | 4 | 14 | 11 | 5 | s. | J. H. Bechtold. |
| Spearfish | Lawrence | 3,647 | 20 | 67.7 | + 4.7 | 98a | 20 | 37a | 3 | 36a | 2.15 | − 2.35 | 0.55 | 0.0 | 8 | 12 | 15 | 3 | se. | O. A. Martin. |

TABLE 1.—*Climatological data for June, 1910. District No. 6*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *South Dakota*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Stephan | Hyde | 1,840 | 6 | 67.2 | ..... | 100 | 20 | 35 | 6 | 46 | 3.73 | ..... | 1.00 | 0.0 | 8 | 16 | 6 | 8 | se. | Rev. A. Mattingly. |
| Tama | Meade | ..... | 1 | 68.0 | ..... | 104 | 20 | 34 | 6 | 48 | 1.67 | ..... | 0.45 | 0.0 | 10 | 12 | 8 | 10 | se. | J. J. Daly. |
| Vale | Butte | 2,765 | 2 | 68.4 | ..... | 106 | 20 | 39 | 6 | 49 | 2.84 | ..... | 1.49 | 0.0 | 9 | 20 | 9 | 1 | se. | U. S. Reclamation Service. |
| Vermilion | Clay | 1,222 | 9 | 69.7 | ..... | 95 | 21 | 40 | 6 | 34 | 1.94 | ..... | 0.70 | 0.0 | 10 | 23 | 3 | 4 | s. | Prof. E. C. Perisho. |
| Water's Ranch | Lawrence | 4,000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.09 | ..... | 0.36 | 0.0 | 7 | 14 | 7 | 9 | e. | George Waters. |
| Watertown | Codington | 1,735 | 16 | 66.5 | + 3.2 | 94 | 20† | 32 | 2 | 36 | 2.78 | − 0.96 | 1.00 | 0.0 | 3 | 23 | 3 | 4 | s. | Robert Q. Wood. |
| Wentworth | Lake | ..... | 17 | 66.8 | + 2.0 | 92 | 20 | 36 | 6 | 35 | 1.80 | − 2.26 | 1.04 | 0.0 | 5 | 23 | 3 | 4 | sw. | R. C. Zimmerman. |
| Wessington Springs | Jerauld | 1,410 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | F. N. Dunham. |
| White Lake | Aurora | 1,646 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.55 | ..... | 1.14 | 0.0 | 7 | 16 | 9 | 5 | se. | Mrs. G. A. Rogers. |
| Yankton | Yankton | 1,234 | 36 | 69.8 | + 0.4 | 95 | 21 | 42 | 6 | 31 | 1.85 | − 2.42 | 0.99 | 0.0 | 7 | 9 | 18 | 3 | se. | U. S. Weather Bureau. |
| *Minnesota.* | | | | | | | | | | | | | | | | | | | | |
| Pipestone | Pipestone | 1,710 | 11 | 65.2 | + 1.0 | 90 | 22† | 32 | 1 | 37 | 2.33 | − 1.58 | 0.93 | 0.0 | 4 | 16 | 11 | 3 | se. | W. S. Campbell. |
| *Colorado.* | | | | | | | | | | | | | | | | | | | | |
| Akron | Washington | 4,650 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.83 | ..... | 1.53 | 0.0 | 5 | ..... | ..... | ..... | ..... | Ira M. Barnhouse. |
| Alma | Park | 10,238 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.10 | − 0.55 | 0.10 | 0.0 | 1 | 18 | 0 | 12 | nw. | F. H. Clark. |
| Arriba (near) | Lincoln | 5,238 | 4 | 74.9 | ..... | 98 | 19 | 55 | 6† | 32 | 0.46 | ..... | 0.22 | 0.0 | 5 | 18 | 7 | 5 | se. | C. S. Graves. |
| Auldhurst | Teller | 8,500 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.06 | ..... | 0.82 | 0.0 | 6 | 12 | 15 | 3 | s. | Mrs. Alice A. Auld. |
| Barker | Boulder | 8,000 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Eastern Colo. Power Co. |
| Boreas | Park | 11,489 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.24 | ..... | 0.30 | 0.0 | 9 | 5 | 14 | 11 | nw. | Frank Soper. |
| Boulder | Boulder | 5,347 | 14 | 66.8 | + 2.2 | 90 | 19 | 42 | 3 | 34 | 0.48 | − 1.13 | 0.25 | 0.0 | 5 | 19 | 9 | 2 | w. | S. A. Giffin. |
| Burlington | Kit Carson | 4,160 | 6 | 69.9 | ..... | 100 | 21† | 40 | 11 | 42 | 1.08 | ..... | 0.30 | 0.0 | 7 | 9 | 20 | 1 | se. | C. Creglow. |
| Cassells | Park | 8,445 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.21 | ..... | 0.50 | 0.0 | 7 | 14 | 10 | 6 | w. | Harriet M. Cassell. |
| Castle Rock | Douglas | 6,220 | 18 | 64.7 | + 2.1 | 94 | 21 | 30 | 10 | 50 | 0.60 | − 1.33 | 0.50 | 0.0 | 3 | ..... | ..... | ..... | ..... | Chas. Hy. Ellis. |
| Cheesman | Jefferson | 6,890 | 7 | 63.2 | ..... | 87 | 19† | 39 | 11 | 40 | 1.53 | ..... | 0.80 | 0.0 | 3 | 13 | 17 | 0 | sw. | C. L. Adams. |
| Cheyenne Wells | Cheyenne | 4,279 | 18 | 70.2 | + 2.4 | 99 | 21† | 40 | 11 | 45 | 0.88 | − 2.08 | 0.37 | 0.0 | 5 | 20 | 8 | 2 | se. | J. B. Robertson. |
| Como | Park | 9,785 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Edwin Pike. |
| Cope | Washington | ..... | 12 | 70.0 | + 1.8 | 101 | 19† | 38 | 11 | 48 | 0.28 | − 2.78 | 0.12 | 0.0 | 4 | 11 | 16 | 3 | s. | A. A. Williams. |
| Corona | Grand | 11,660 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | U. S. Weather Bureau. |
| Denver | Denver | 5,272 | 38 | 68.0 | + 1.6 | 95 | 23 | 42 | 3 | 39 | 0.20 | − 1.27 | 0.10 | 0.0 | 5 | 21 | 8 | 1 | s. | Do. |
| Edgewater | Jefferson | 5,450 | 2 | 66.1 | ..... | 94 | 21 | 38 | 13 | 43 | 0.19 | ..... | 0.08 | 0.0 | 3 | 20[a] | 8[a] | 1[a] | ..... | Dr. J. B. Fish. |
| Estes Park Fish Hatchery | Larimer | 8,000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.39 | ..... | 0.45 | 0.0 | 9 | 5 | 16 | 9 | w. | Gaylord H. Thomson. |
| Fort Collins | Larimer | 4,985 | 31 | 64.6 | + 0.8 | 90 | 19† | 39 | 9 | 42 | 1.04 | − 0.53 | 0.56 | 0.0 | 8 | 10 | 18 | 2 | nw. | Colorado Agri. College. |
| Fort Morgan | Morgan | 4,319 | 12 | 68.8 | + 1.7 | 100 | 19 | 38 | 11 | 53 | 0.89 | − 0.66 | 0.78 | 0.0 | 2 | 11 | 17 | 2 | se. | Della M. Scott. |
| Frances | Boulder | 9,300 | 5 | 58.1[e] | ..... | 81[e] | 19 | 31[e] | 10 | 40[e] | 1.89 | ..... | 0.53 | 0.0 | 10 | 6[e] | 20[e] | 1[e] | w. | D. A. Barry. |
| Fry's Ranch | Larimer | 7,500 | ..... | 57.2 | ..... | 86 | 20 | 30 | 4 | 45 | 1.25 | ..... | 0.30 | 0.0 | 10 | 14 | 15 | 1 | w. | Norman W. Fry. |
| Georgetown | Clear Creek | 8,550 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.01 | ..... | 0.32 | 0.0 | 5 | 10 | 19 | 1 | ..... | H. L. Corbett. |
| Greeley | Weld | 4,649 | 18 | 68.6 | + 2.4 | 98 | 17† | 41 | 11 | 48 | 0.53 | − 0.84 | 0.33 | 0.0 | 5 | 22 | 7 | 1 | ne. | Nelson Reynolds. |
| Hartsel | Park | 7,670 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.93 | ..... | 0.24 | 0.0 | 6 | 21 | 7 | 2 | w. | Emily Kleinknecht. |
| Hawthorne | Boulder | 6,000 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.68 | ..... | 0.34 | 0.0 | 4 | 25 | 4 | 1 | ..... | B. E. Chesebro. |
| Holyoke (near) | Phillips | 3,745 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.96 | + 0.16 | 1.75 | 0.0 | 9 | 12 | 4 | 14 | se. | A. C. Cauble. |
| Idaho Springs | Clear Creek | 7,534 | 10 | 59.8 | + 1.6 | 86 | 19 | 34 | 10 | 44 | 1.10 | + 0.26 | 0.35 | 0.0 | 5 | 2 | 28 | 0 | e. | J. J. Willis. |
| Kossler | Boulder | 7,720 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Central Colo. Power Co. |
| La Porte | Larimer | 5,053 | 19 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.63 | + 0.04 | 0.90 | 0.0 | 0 | 4 | ..... | ..... | ..... | P. A. Taft. |
| Le Roy (near) | Logan | 4,380 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Chas. Green. |
| Longmont | Boulder | 4,980 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Geo. W. Johnson. |
| Long's Peak (near) | Larimer | 8,600 | 15 | 51.3 | + 0.9 | 76 | 19 | 23 | 9† | 44 | 2.61 | + 1.07 | 0.65 | 0.0 | 10 | 13 | 13 | 4 | w. | Enos A. Mills. |
| Moraine | ....do | 7,775 | 20 | 56.2 | + 2.0 | 82 | 19 | 30 | 10 | 40 | ..... | ..... | ..... | 0.0 | ..... | 12[a] | 16[a] | 1[a] | w. | J. D. Stead. |
| Platte Canyon | Jefferson | 5,492 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.94 | − 1.17 | 0.40 | 0.0 | 4 | 21 | 8 | 1 | n. | Denver Union Water Co. |
| St. Cloud | Larimer | 7,750 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.62 | ..... | 0.30 | 0.0 | 5 | 15 | 13 | 2 | e. | Mrs. E. K. Bristol. |
| Sedgwick | Sedgwick | 3,573 | 2 | 69.2 | ..... | 100 | 21† | 39 | 11 | 50 | 1.29 | ..... | 0.57 | 0.0 | 8 | 19 | 11 | 0 | se. | Dr. Edwin Lewis. |
| Sill Mine | Clear Creek | 11,500 | 1 | 46.8 | ..... | 67 | 23 | 27 | 10 | 32 | 1.76 | ..... | 0.54 | T. | 8 | 21 | 7 | 2 | w. | Chas. F. Deininger. |
| Spicer (near) | Larimer | 8,700 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.13 | ..... | 0.10 | 0.0 | 2 | 13 | 12 | 5 | sw. | Frank W. Murphy. |
| Sterling | Logan | 3,892 | ..... | 66.8 | ..... | 96 | 16† | 38 | 11 | 50 | 1.75 | ..... | 1.33 | 0.0 | 9 | 6 | 20 | 4 | ne. | Great Western Sugar Co. |
| Waterdale | Larimer | 5,206 | 7 | 65.7 | ..... | 95 | 23 | 36 | 9† | 45 | 1.88 | + 0.20 | 0.98 | 0.0 | 7 | ..... | ..... | ..... | ..... | P. H. Boothroyd. |
| Westlake | Boulder | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.12 | ..... | 0.77 | 0.0 | 2 | 21 | 0 | 9 | w. | G. E. Richardson. |
| Wray | Yuma | 3,512 | 14 | 70.4 | + 1.7 | 100 | 21 | 46 | 1 | 47 | 0.96 | − 2.38 | 0.50 | 0.0 | 7 | 12 | 15 | 3 | e. | J. C. Tuomey. |
| Yuma | Yuma | 4,138 | 19 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Geo. W. Custer. |
| *Nebraska.* | | | | | | | | | | | | | | | | | | | | |
| Ainsworth | Brown | 2,521 | 5 | 71.2 | ..... | 100 | 19 | 45 | 1 | 44 | 4.14 | ..... | 1.96 | 0.0 | 6 | 0 | 24 | 6 | sw. | John M. Cotton. |
| Albion | Boone | 1,747 | 12 | 69.6 | + 1.6 | 97 | 17† | 41 | 1 | 41 | 2.10 | − 2.10 | 0.56 | 0.0 | 8 | ..... | ..... | ..... | s. | F. M. Weitzel. |
| Alliance | Boxbutte | 3,968 | 15 | 67.0 | + 0.8 | 100 | 19 | 37 | 11 | 49 | 2.80 | − 0.17 | 1.50 | 0.0 | 10 | 2 | 25 | 3 | se. | J. A. Keegan. |
| Alma | Harlan | 1,939 | 13 | 71.8 | + 0.7 | 99 | 21 | 43 | 11 | 39 | 1.15 | − 2.31 | 0.38 | 0.0 | 7 | 20 | 7 | 3 | s. | W. A. Sharpnack |
| Anoka | Boyd | ..... | 4 | 69.7 | ..... | 100 | 19† | 35 | 6 | 47 | 2.37 | ..... | 1.10 | 0.0 | 8 | ..... | ..... | ..... | se. | W. Whitla. |
| Arcadia | Valley | 2,186 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.39 | + 0.07 | 2.03 | 0.0 | 6 | 11 | 10 | 9 | se. | Jas. L. Owen. |
| Ashland | Saunders | 1,100 | 27 | 72.4 | + 0.8 | 99 | 20 | 45 | 5 | 36 | 1.42 | − 3.42 | 0.39 | 0.0 | 9 | 15 | 13 | 2 | se. | Dr. A. S. von Mansfelder. |
| Ashton | Sherman | 2,061 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.49 | − 0.70 | 1.94 | 0.0 | 5 | 19 | 5 | 6 | s. | F. Rein. |
| Atkinson | Holt | 2,108 | 4 | 68.2 | ..... | 97 | 19† | 42 | 1 | 42 | 2.87 | ..... | 1.15 | 0.0 | 6 | 21 | 6 | 3 | s. | Chas. J. Wilson. |
| Auburn | Nemaha | 1,051 | 18 | 70.4 | − 0.5 | 96 | 18 | 46 | 1† | 37 | 1.41 | − 3.52 | 0.76 | 0.0 | 8 | 18 | 8 | 4 | se. | J. R. Huffman. |
| Aurora | Hamilton | 1,792 | 15 | 69.8 | − 1.2 | 95 | 21 | 41 | 6 | 39 | 2.99 | − 1.65 | 1.35 | 0.0 | 6 | 22 | 4 | 4 | w. | Chi., Burl. & Quincy R. R. |
| Beatrice | Gage | 1,235 | 19 | 71.6 | + 0.3 | 96 | 21 | 45 | 5 | 36 | 1.96 | − 2.56 | 0.70 | 0.0 | 5 | 25 | 1 | 4 | se. | Wm. S. Waxham. |
| Beaver City | Furnas | 2,147 | 19 | 72.6 | + 1.7 | 99 | 18† | 43 | 2 | 42 | 1.66 | − 2.24 | 0.50 | 0.0 | 7 | 19 | 4 | 7 | se. | T. M. Davis. |
| Bellevue | Sarpy | 1,210 | 28 | 71.9 | ..... | 95 | 20 | 46 | 1† | 31 | 0.84 | − 3.42 | 0.57 | 0.0 | 4 | 21 | 6 | 3 | se. | Prof. A. A. Tyler. |
| Benkelman | Dundy | 2,968 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.85 | − 1.41 | 0.75 | 0.0 | 7 | 10 | 16 | 4 | sw. | R. D. Druliner. |
| Bertrand | Phelps | 2,515 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.56 | ..... | 0.60 | 0.0 | 8 | ..... | ..... | ..... | ..... | W. F. Dobbin. |
| Blair | Washington | 1,122 | 15 | 70.8 | + 1.6 | 97 | 18 | 42 | 8 | 37 | 1.53 | − 3.35 | 0.52 | 0.0 | 7 | 18 | 12 | 0 | w. | H. H. Hahn. |
| Bloomfield | Knox | ..... | 4 | 69.3 | ..... | 97 | 18† | 36 | 6 | 42 | 0.94 | ..... | 0.53 | 0.0 | 5 | 15 | 11 | 4 | s. | J. M. Barnard. |
| Bradshaw | York | 1,715 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.35 | − 4.84 | 0.70 | 0.0 | 5 | 17 | 12 | 1 | ..... | E. C. Roggy. |
| Bridgeport | Morrill | 3,658 | 14 | 67.4[b] | + 1.9 | 104[b] | 15 | 40[b] | 9† | 50[b] | 3.29 | + 0.71 | 1.45 | 0.0 | 7 | 16 | 10 | 4 | se. | Robt. H. Willis. |
| Brokenbow | Custer | 2,477 | 15 | 68.4 | − 0.6 | 101 | 21 | 38 | 5 | 49 | 5.22 | + 0.45 | 1.48 | 0.0 | 9 | 18 | 4 | 8 | ..... | Chi., Burl. & Quincy R. R. |
| Burge | Cherry | 2,674 | 4 | 67.1[b] | ..... | 98[b] | 19† | 37[b] | 1 | 47[b] | 3.31 | ..... | 1.54 | 0.0 | 5 | ..... | ..... | ..... | se. | H. A. Davis. |
| Cairo | Hall | 1,951 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.32 | ..... | 2.45 | 0.0 | 5 | ..... | ..... | ..... | ..... | Elliott Harrison. |
| Callaway | Custer | 2,555 | 17 | 68.2 | + 0.4 | 99 | 18 | 41 | 5† | 46 | 4.01 | + 0.03 | 1.40 | 0.0 | 5 | 15 | 6 | 9 | s. | J. H. Evans. |
| Cambridge | Furnas | 2,258 | 3 | 71.7 | ..... | 102 | 21 | 42 | 11 | 42 | 0.65 | ..... | 0.35 | 0.0 | 4 | 17 | 6 | 7 | se. | Chas. Jenson. |
| Canton (near) | Sioux | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | A. E. Hann. |
| Columbus | Platte | 1,442 | 17 | 70.4 | + 1.4 | 97 | 20 | 43 | 1 | 40 | 2.35 | − 2.00 | 1.60 | 0.0 | 5 | 16 | 8 | 6 | se. | C. C. Gray. |
| Cozad | Dawson | 2,496 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.52 | ..... | 2.20 | 0.0 | 5 | 15 | 11 | 4 | s. | A. A. Luttin. |
| Creighton | Knox | 1,600 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | E. S. Cowan. |
| Crete | Saline | 1,368 | 27 | 70.4 | 0.0 | 94 | 18 | 45 | 6 | 32 | 4.67 | − 0.04 | 2.05 | 0.0 | 5 | 21 | 6 | 3 | s. | Doane College. |
| Culbertson | Hitchcock | 2,565 | 23 | 75.2 | ..... | 108 | 21 | 50 | 1 | 38 | 1.93 | − 1.48 | 1.31 | 0.0 | 8 | 13 | 9 | 8 | se. | J. H. Corrick. |
| Curtis | Frontier | 2,553 | 13 | 71.1 | + 1.1 | 99 | 23 | 38 | 11 | 42 | 2.36 | − 2.21 | 0.41 | 0.0 | 9 | 12 | 12 | 6 | se. | Dr. S. R. Razee. |
| David City | Butler | 1,619 | 21 | 70.4 | + 1.6 | 95 | 21 | 45 | 5 | 33 | 1.94 | − 2.49 | 0.93 | 0.0 | 5 | 14 | 10 | 6 | se. | S. Clingman. |
| Dawson | Richardson | 945 | 17 | 69.0[f] | − 3.3 | 98 | 18 | 46 | 4 | 37[f] | 2.74 | − 1.87 | 1.66 | 0.0 | 7 | ..... | ..... | ..... | ..... | Mrs. E. I. Atkinson. |
| Dubois | Pawnee | 1,074 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.25 | ..... | 1.75 | 0.0 | 10 | 24 | 1 | 5 | se. | O. M. Backus. |
| Edgar | Clay | 1,722 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Geo. W. Ferree. |
| Ellis | Gage | 1,430 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.51 | ..... | ..... | 0.0 | 5 | ..... | ..... | ..... | ..... | D. J. Wood. |
| Elmcreek | Buffalo | 2,268 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.23 | ..... | 2.00 | 0.0 | 5 | ..... | ..... | ..... | ..... | E. L. Sutton. |
| Elsie | Perkins | 3,382 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.41 | ..... | 0.45 | 0.0 | 8 | ..... | ..... | ..... | ..... | J. F Brittain. |

TABLE 1.—*Climatological data for June, 1910. District No. 6*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Nebraska*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Enderslake | Brown | | 1 | | | | | | | | | | | | | | | | | G. W. Chappell. |
| Ewing | Holt | 1,888 | 18 | 69.6 | | 105 | 21 | 39 | 1 | 43 | 2.86 | − 0.67 | 1.12 | 0.0 | 8 | | | | | G. H. Benson. |
| Fairbury | Jefferson | 1,316 | 35 | 72.5 | + 1.5 | 102 | 21 | 46 | 5 | 36 | 2.84 | − 1.95 | 1.75 | 0.0 | 5 | 17 | 11 | 2 | se. | W. F. Cramb. |
| Fairmont | Fillmore | 1,641 | 17 | 69.7 | + 0.3 | 94 | 18† | 42 | 5 | 35 | 2.82 | − 1.78 | 0.97 | 0.0 | 9 | 17 | 4 | 9 | s. | Chi., Burl. & Quiney R. R |
| Fort Robinson | Dawes | 3,764 | 26 | 68.6 | + 3.5 | 102 | 20 | 37 | 3 | 42 | 1.80 | − 1.18 | 0.45 | 0.0 | 6 | 21 | 2 | 7 | w. | Post Hospital. |
| Franklin | Franklin | 1,820 | 19 | | | | | | | | | | | | | | | | | D. T. Shoemaker. |
| Fremont | Dodge | 1,203 | 30 | 71.3 | + 1.1 | 98 | 19 | 42 | 5 | 42 | 0.45 | − 4.80 | 0.32 | 0.0 | 2 | 13 | 16 | 1 | se. | Ernest Hahn. |
| Fullerton | Nance | 1,629 | 8 | 70.4 | | 97 | 18† | 41 | 1 | 38 | 3.81 | | 1.80 | 0.0 | 4 | 17 | 11 | 2 | s. | Dr. F. W. Johnson. |
| Geneva | Fillmore | 1,633 | 20 | 70.0 | − 1.0 | 94 | 19† | 44 | 5 | 32 | 2.92 | − 2.41 | 0.95 | 0.0 | 9 | 18 | 11 | 1 | se. | F. M. Flory. |
| Genoa | Nance | 1,584 | 35 | 70.0 | + 0.3 | 96 | 21 | 39 | 5 | 41 | 3.06 | − 1.31 | 1.41 | 0.0 | 7 | 15 | 12 | 3 | s. | F. W. Parsons. |
| Gordon | Sheridan | 3,550 | 8 | 65.8° | | 100° | 19 | 34° | 1 | 46° | 2.00 | | 1.00 | 0.0 | 7 | | | | se. | G. F. Williams. |
| Gosper | Gosper | | 8 | | | | | | | | 1.67 | | 0.67 | 0.0 | 6 | 15 | 7 | 8 | se. | E. H. Stoll. |
| Gothenburg | Dawson | 2,557 | 16 | 69.8 | + 0.8 | 104 | 17 | 41 | 1 | 47 | 3.73 | − 0.81 | 1.40 | 0.0 | 7 | 15 | 5 | 10 | se. | Dr. W. J. Bartholomew. |
| Grand Island | Hall | 1,860 | 19 | 70.6 | − 0.2 | 96 | 21 | 44 | 1 | 34 | 4.14 | − 0.80 | 3.10 | 0.0 | 6 | 12 | 7 | 11 | s. | E. A. Barnes. |
| Grant | Perkins | 3,405 | 7 | 67.0° | | 100° | 21 | 35° | 11 | 46° | 1.55 | | 0.59 | 0.0 | 7 | | | | se. | Cyrus Carver. |
| Greeley | Greeley | 2,121 | 15 | | | | | | | | | | | | | | | | | W. E. Morgan. |
| Guiderock | Webster | 1,646 | 10 | | | | | | | | 3.10 | − 0.94 | 0.85 | 0.0 | 8 | 10 | 18 | 2 | s. | J. S. Marsh. |
| Haigler | Dundy | 3,258 | 15 | | | | | | | | 1.19 | − 2.01 | 0.52 | 0.0 | 4 | 7 | 18 | 5 | se. | Chi., Burl. & Quincy R. R. |
| Halsey‖ | Thomas | 2,695 | 8 | 68.9 | | 99 | 18 | 40 | 12 | 47 | 5.64 | | 4.45 | 0.0 | 7 | 17 | 9 | 4 | se. | U. S. Forest Service. |
| Hartington | Cedar | 1,309 | 19 | 70.2 | + 2.6 | 97 | 21 | 42 | 1† | 35 | 2.05 | − 2.37 | 0.80 | 0.0 | 7 | 12 | 8 | 10 | nw. | D. E. Ewing. |
| Harvard | Clay | 1,812 | 21 | 68.0 | − 1.5 | 95 | 21 | 42 | 5 | 35 | 4.04 | − 0.09 | 1.97 | 0.0 | 10 | 15 | 14 | 1 | se. | Dr. J. T. Fleming. |
| Hastings | Adams | 1,932 | 20 | 68.8 | − 1.3 | 94 | 21 | 43 | 3 | 35 | 2.82 | − 1.70 | 1.23 | 0.0 | 7 | 22 | 3 | 5 | se. | Chi., Burl. & Quincy R. R. |
| Hayes Center | Hayes | | 17 | 68.4 | | 101 | 21 | 43 | 12 | 40 | 3.17 | − 0.39 | 0.88 | 0.0 | 13 | 16 | 9 | 5 | se. | C. A. Ready. |
| Hays Springs | Sheridan | 3,821 | 23 | 66.0 | + 2.4 | 97 | 19 | 39 | 3 | 40 | 3.19 | − 0.03 | 1.30 | 0.0 | 11 | 8 | 18 | 4 | se. | A. Kadlecek. |
| Hebron | Thayer | 1,458 | 25 | 69.4 | − 1.8 | 93 | 21 | 47 | 1† | 32 | 3.01 | − 1.96 | 1.41 | 0.0 | 6 | | | | | Dr. C. M. Easton. |
| Hemingford | Boxbutte | 4,256 | 1 | | | | | | | | 2.28 | | 1.46 | 0.0 | 12 | | | | | A. S. Enyeart. |
| Hendley | Furnas | 2,231 | 6 | | | | | | | | 1.47 | | 0.61 | 0.0 | 6 | | | | | F. L. Jones. |
| Hillside | McPherson | | 1 | 66.8 | | 98 | 29 | 34 | 11 | 40 | 1.95 | | 0.47 | 0.0 | 10 | 15 | 9 | 6 | se. | Mrs. M. R. Lloyd. |
| Holdrege | Phelps | 2,324 | 18 | 70.7 | − 1.0 | 99 | 17† | 46 | 1† | 38 | 1.49 | − 2.53 | 0.62 | 0.0 | 7 | 20 | 3 | 7 | se. | Chi., Burl. & Quincy R. R. |
| Hooper‖ | Dodge | 1,228 | 13 | 71.6 | + 1.5 | 98 | 18 | 41 | 5 | 40 | 0.94 | − 4.89 | 0.37 | 0.0 | 5 | 15 | 9 | 6 | se. | W. Howard Heine. |
| Imperial | Chase | 3,278 | 20 | 68.4 | − 0.4 | 101 | 21 | 34 | 15 | 62 | 2.51 | − 0.99 | 1.24 | 0.0 | 10 | 8 | 14 | 8 | se. | Robt. Malcolm. |
| Kearney | Buffalo | 2,146 | 20 | 69.6 | − 1.2 | 97 | 21 | 43 | 1 | 38 | 4.46 | + 0.35 | 1.83 | 0.0 | 6 | 19 | 7 | 4 | sw. | N. C. Dunlap. |
| Kimball | Kimball | 4,697 | 21 | 67.6 | + 2.5 | 98 | 18† | 39 | 2 | 49 | 2.64 | + 0.31 | 1.28 | 0.0 | 8 | 13 | 13 | 4 | se. | F. J. Bellow. |
| Kirkwood | Rock | | 15 | 68.4 | + 1.5 | 99a | 19 | 40a | 1 | 43a | 3.50 | − 0.93 | 1.75 | 0.0 | 9 | 17 | 11 | 2 | s. | Mrs. C. Arter. |
| Kowanda | Deuell | | 2 | | | | | | | | 1.66 | | 0.49 | 0.0 | 11 | | | | | Geo. W. Hulse. |
| Lexington | Dawson | 2,385 | 21 | 68.4 | + 0.6 | 96 | 21 | 39 | 11 | 39 | 3.91 | + 0.13 | 1.43 | 0.0 | 7 | 23 | 0 | 7 | se. | Robt. Chadwick. |
| Lincoln | Lancaster | 1,189 | 31 | 72.0 | + 0.4 | 95 | 18 | 46 | 5 | 33 | 2.09 | − 2.23 | 1.43 | 0.0 | 6 | 14 | 9 | 7 | se. | U. S. Weather Bureau. |
| Loup | Sherman | 2,067 | 16 | 68.6 | + 0.2 | 96 | 21 | 42 | 1† | 38 | 4.38 | − 1.27 | 2.38 | 0.0 | 6 | 18 | 7 | 5 | se. | E. S. Hayhurst. |
| Loyal | Custer | | 2 | | | | | | | | | | | | | | | | | C. H. Cass. |
| McCook | Redwillow | 2,506 | 15 | 70.2 | − 2.0 | 102 | 21 | 39a | 11 | 46a | 1.12 | − 2.34 | 0.65 | 0.0 | 4 | 22 | 6 | 2 | se. | C. G. Coglizer. |
| McCool Junction | York | 1,575 | 12 | | | | | | | | 3.24 | − 1.23 | 1.10 | 0.0 | 7 | | | | | L. L. Slagle. |
| Madison | Madison | 1,585 | 17 | 69.6 | + 1.8 | 95 | 21† | 40 | 5 | 39 | 1.66 | − 2.48 | 0.76 | 0.0 | 3 | 16 | 8 | 6 | se. | Dr. F. A. Long. |
| Marquette | Hamilton | 1,833 | 31 | | | | | | | | 2.15 | − 2.24 | 1.18 | 0.0 | 6 | | | | | John Ellis. |
| Mason City | Custer | 2,257 | 9 | | | | | | | | 4.29 | | 1.45 | 0.0 | 8 | | | | | J. A. Amsberry. |
| Minatare | Scottsbluff | 3,825 | 1 | | | | | | | | 2.06 | | 1.81 | 0.0 | 2 | | | | se. | Anthony Kennedy. |
| Minden | Kearney | 2,169 | 33 | 69.1 | − 0.7 | 99 | 21 | 41 | 1 | 38 | 3.74 | − 1.24 | 1.57 | 0.0 | 7 | 9 | 10 | 11 | se. | Joel Hull. |
| Mitchell | Scottsbluff | | 2 | 67.6 | | 98 | 17† | 38 | 10 | 44 | 2.23 | | 1.82 | 0.0 | 8 | 14 | 14 | 2 | se. | U. S. Reclamation Service. |
| Monroe | Platte | 1,525 | 13 | | | | | | | | | | | | | | | | | Wm. Webster. |
| Morrill | Scottsbluff | | 1 | | | | | | | | | | | | | | | | | Edwin K. Wieland. |
| Nebraska City | Otoe | 941 | 33 | 70.6 | − 0.1 | 93 | 18† | 44 | 5 | 35 | 1.80 | − 3.24 | 0.55 | 0.0 | 4 | 22 | 5 | 3 | s. | Chi., Burl. & Quincy R. R. |
| Norfolk | Madison | 1,532 | 27 | 68.6 | + 0.5 | 98 | 19 | 36 | 5 | 42 | 1.36 | − 3.18 | 0.86 | 0.0 | 5 | 22 | 5 | 3 | se. | Dr. P. H. Salter. |
| North Loup | Valley | 1,961 | 22 | 69.3 | + 0.1 | 98 | 21 | 37 | 5 | 45 | 3.58 | − 0.96 | 1.38 | 0.0 | 6 | 20 | 6 | 4 | se. | W. G. Rood. |
| North Platte | Lincoln | 2,841 | 36 | 68.6 | + 0.2 | 98 | 21 | 40 | 11 | 37 | 2.75 | − 0.50 | 1.13 | 0.0 | 9 | 17 | 9 | 4 | se. | U. S. Weather Bureau. |
| Oakdale | Antelope | 1,722 | 23 | 69.6 | + 1.2 | 98 | 19† | 37 | 5 | 40 | 1.23 | − 3.29 | 0.66 | 0.0 | 9 | 15 | 10 | 5 | s. | G. S. Clingman. |
| Odell | Gage | 1,278 | 16 | | | | | | | | 3.05 | − 1.94 | 1.30 | 0.0 | 5 | 16 | 5 | 9 | | Chi., Burl. & Quincy R. R. |
| Omaha | Douglas | 1,103 | 40 | 73.0 | + 1.4 | 95 | 20 | 49 | 4 | 27 | 0.43 | − 4.62 | 0.27 | 0.0 | 4 | 17 | 6 | 7 | se. | U. S. Weather Bureau. |
| Ord | Valley | 2,062 | 16 | | | | | | | | 4.21 | − 0.23 | 2.25 | 0.0 | 9 | 15 | 8 | 7 | s. | James Milford. |
| Orleans | Harlan | 1,993 | 2 | | | | | | | | 1.51 | | 0.58 | 0.0 | 8 | | | | | James McGeachin. |
| Osceola | Polk | 1,644 | 12 | | | | | | | | | | | | | | | | | G. T. Ray. |
| Palisade | Hitchcock | | 1 | | | | | | | | 1.36 | | 0.53 | 0.0 | 5 | | | | | E. E. Young. |
| Palmyra**‖ | Otoe | 1,142 | 15 | 71.8 | + 1.1 | 96 | 18† | 52 | 3† | | 2.19 | − 2.82 | 0.85 | 0.0 | 6 | 22 | 6 | 2 | s. | Thomas Coles. |
| Pawnee City | Pawnee | 1,175 | 15 | 69.9 | | 93 | 18 | 44 | 5 | 35 | 3.52 | − 1.77 | 1.25 | 0.0 | 8 | 25 | 2 | 3 | s. | Frank A. Barton. |
| Plymouth | Jefferson | 1,419 | 6 | 69.7 | | 94 | 18† | 46 | 5 | 34 | 1.89 | | 1.50 | 0.0 | 6 | 9 | 14 | 7 | se. | John Ruppel. |
| Purdum | Blaine | | 10 | 68.1 | | 98 | 18 | 39 | 1 | 49 | 4.01 | + 0.88 | 2.20 | 0.0 | 9 | 17 | 8 | 5 | se. | T. C. Jackson. |
| Ravenna | Buffalo | 2,028 | 33 | 69.2 | + 0.4 | 100 | 18† | 38 | 5 | 41 | 4.70 | + 0.75 | 3.19 | 0.0 | 5 | 20 | 6 | 4 | se. | Erastus Smith. |
| Redcloud | Webster | 1,687 | 18 | 70.7 | − 1.4 | 96 | 22 | 44 | 1 | 36 | 3.64 | − 1.74 | 1.30 | 0.0 | 8 | 24 | 4 | 2 | s. | Chas. S. Ludlow. |
| St. Libory | Howard | 1,887 | 15 | | | | | | | | 3.26 | − 1.40 | 2.15 | 0.0 | 4 | | | | se. | W. I. Meader. |
| St. Paul | ...do | 1,796 | 16 | 70.4 | + 0.2 | 96 | 17† | 40 | 5 | 38 | 2.46 | − 2.77 | 1.02 | 0.0 | 4 | 22 | 5 | 3 | sw. | Paul Anderson. |
| Santee | Knox | | 22 | 72.2 | + 1.4 | 98 | 19† | 41 | 6 | 36 | 1.77 | − 2.59 | 0.95 | 0.0 | 4 | 11 | 13 | 6 | se. | E. G. Kendall. |
| Sargent | Custer | | 13 | 67.8 | | 96b | 21 | 40b | 5 | 40b | 3.21 | − 0.55 | 1.04 | 0.0 | 6 | | | | se. | Jas. L. Ferguson. |
| Schuyler | Colfax | 1,357 | 17 | 71.3 | | 98 | 18† | 39 | 5 | 44 | 1.61 | − 2.99 | 0.81 | 0.0 | 4 | 13 | 12 | 5 | s. | John T. Sumner. |
| Scottsbluff | Scottsbluff | 3,888 | 4 | 68.0 | | 99 | 19 | 39 | 10 | 42 | 3.05 | | 1.85 | 0.0 | 9 | 14 | 14 | 2 | se. | A. B. McCoskey. |
| Seward | Seward | 1,435 | 20 | 69.8 | − 2.1 | 95 | 19† | 40 | 4 | 38 | 2.80 | − 1.88 | 1.50 | 0.0 | 3 | 19 | 11 | 0 | s. | Chi., Burl. & Quincy R. R. |
| Sheridan | Wheeler | | 2 | | | | | | | | 2.60 | | 1.06 | 0.0 | 7 | 21 | 6 | 3 | se. | J. C. Harris. |
| Sidney | Cheyenne | 4,090 | 18 | | | | | | | | 3.44 | + 1.66 | 2.06 | 0.0 | 11 | 18 | 9 | 3 | se. | John P. Fischer. |
| Springview | Keyapaha | | 17 | 68.4 | + 1.6 | 100 | 21 | 40 | 6 | 36 | 3.88 | + 0.10 | 1.93 | 0.0 | 6 | 18 | 6 | 6 | s. | C. L. Phelps. |
| Stanton | Stanton | 1,472 | 19 | 68.8 | + 0.1 | 97 | 21 | 38 | 5 | 42 | 1.75 | − 2.48 | 0.73 | 0.0 | 6 | 17 | 11 | 2 | s. | Alfred Pont. |
| Stratton | Hitchcock | 2,804 | 15 | | | | | | | | 3.60 | + 0.32 | 1.51 | 0.0 | 5 | | | | | Miss Stella Vennum. |
| Superior | Nuckolls | 1,574 | 25 | | | | | | | | 2.35 | − 2.02 | 1.40 | 0.0 | 4 | | | | | F. V. Bishop. |
| Tablerock | Pawnee | 1,023 | 22 | | | | | | | | 2.85 | − 2.58 | 1.36 | 0.0 | 7 | 21 | 6 | 3 | se. | E. D. Howe. |
| Tecumseh | Johnson | 1,113 | 32 | 70.1 | − 2.0 | 98 | 18† | 42a | 5 | 49a | 1.67 | − 3.46 | 1.20 | 0.0 | 3 | 8 | 20 | 2 | se. | L. E. Pratt. |
| Tekamah | Burt | 1,060 | 20 | 70.8 | + 0.7 | 99 | 18 | 44 | 5 | 38 | 1.09 | − 4.88 | 0.30 | 0.0 | 9 | 14 | 12 | 4 | s. | Dr. A. D. Nesbit. |
| Turlington | Otoe | 1,214 | 18 | 70.4 | − 0.6 | 94 | 20† | 46 | 4 | 29 | 1.76 | − 2.39 | 0.53 | 0.0 | 7 | 22 | 6 | 2 | se. | Wm. N. Hunter. |
| University Farm‖ | Lancaster | | 25 | 71.6 | | 97 | 23 | 43 | 5 | 37 | 1.64 | − 2.93 | 0.65 | 0.0 | 6 | 17 | 10 | 3 | | S. W. Perin. |
| Valentine | Cherry | 2,613 | 22 | 67.8 | + 0.7 | 97 | 19 | 41 | 1 | 43 | 5.12 | + 1.31 | 2.12 | 0.0 | 13 | 11 | 13 | 6 | s. | U. S. Weather Bureau. |
| Wahoo | Saunders | 1,187 | 8 | | | | | | | | 0.60 | | 0.35 | 0.0 | 2 | 25 | 5 | 0 | sw. | W. T. Mauck. |
| Wakefield | Dixon | 1,387 | 16 | 69.2 | + 1.5 | 97 | 18 | 36 | 5 | 42 | 2.39 | − 2.45 | 0.95 | 0.0 | 7 | 20 | 5 | 5 | s. | I. H. Weaver. |
| Wallace | Lincoln | 3,116 | 14 | | | | | | | | | | | | | | | | | Chi., Burl. & Quincy R. R. |
| Walthill | Thurston | | 8 | | | | | | | | | | | | | | | | | H. L. Keefe. |
| Watertown | Buffalo | 2,299 | 5 | | | | | | | | 3.64 | | 1.60 | 0.0 | 5 | 17 | 7 | 6 | sw. | R. E. Swift. |
| Wauneta | Chase | | 11 | | | | | | | | 3.44 | − 0.52 | 1.00 | 0.0 | 6 | | | | | C. D. Fuller. |
| Weepingwater | Cass | 1,080 | 33 | 70.7 | | 98 | 18 | 41 | 5 | 42 | 1.52 | − 3.51 | 0.44 | 0.0 | 8 | 23 | 3 | 4 | se. | S. W. Orton. |
| Westpoint | Cuming | 1,313 | 24 | 72.2 | + 2.5 | 100 | 18 | 39 | 5 | 40 | 1.98 | − 3.44 | 0.58 | 0.0 | 6 | 21 | 9 | 0 | se. | J. C. Elliott |
| Wilber | Saline | 1,325 | 16 | | | | | | | | | | | | | | | | | Chi., Burl. & Quincy R. R. |
| Wisner | Cumimg | 1,380 | 14 | | | | | | | | | | | | | | | | | Hoff & Deily. |
| Woodlawn | Lancaster | | 5 | | | | | | | | 2.02 | | 0.74 | 0.0 | 6 | 14 | 11 | 5 | se. | H. C. Kendall. |
| York | York | 1 606 | 21 | 70.7 | − 1.6 | 97 | 20† | 43 | 5 | 40 | 1.07 | − 3.26 | 0.45 | 0.0 | 7 | 18 | 11 | 1 | se. | A. T. Giauque. |

TABLE 1.—*Climatological data for June, 1910. District No. 6*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Iowa.* | | | | | | | | | | | | | | | | | | | | |
| Afton‖ | Union | 1,212 | 16 | 70.1 | − 0.7 | 99 | 18† | 46 | 1† | 34 | 4.29 | + 0.13 | 2.00 | 0.0 | 6 | 17 | 9 | 4 | sw. | N. W. Rowell. |
| Allerton‖ | Wayne | 1,513 | 8 | 69.4 | ..... | 93 | 18† | 45 | 5 | 31 | 1.91 | ..... | 1.40 | 0.0 | 6 | 25 | 1 | 4 | nw. | Mrs. Geo. Shriver. |
| Alton | Sioux | 1,305 | 5 | 68.8 | ..... | 97 | 19 | 38 | 5† | 38 | 1.26 | ..... | 1.01 | 0.0 | 6 | 17 | 11 | 2 | se. | W. S. Slagle. |
| Atlantic | Cass | 1,164 | 19 | 70.4 | + 1.3 | 98 | 18† | 44 | 5 | 36 | 2.71 | − 2.70 | 1.57 | 0.0 | 10 | 11 | 10 | 9 | ne. | Thos. H. Whitney. |
| Audubon‖ | Audubon | 1 301 | 16 | 69.2 | + 1.1 | 97 | 19 | 40 | 4 | 36 | 1.64 | − 2.21 | 1.10 | 0.0 | 7 | 18 | 6 | 6 | se. | Geo. E. Kellogg. |
| Bedford‖ | Taylor | ..... | 10 | 69.3 | + 1.0 | 97 | 20 | 43 | 5 | 39 | 1.19 | − 3.28 | 0.44 | 0.0 | 5 | 20 | 5 | 5 | se. | E. E. Healy. |
| Centerville | Appanoose | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.21 | ..... | 0.15 | 0.0 | 2 | 27 | 3 | 0 | e. | Gordon Peacock, jr. |
| Charlton‖ | Lucas | 1,042 | 15 | 68.4 | − 0.8 | 94 | 20 | 44 | 2† | 30 | 1.53 | − 3.19 | 0.55 | 0.0 | 3 | 22 | 0 | 8 | se. | C. C. Burr. |
| Clarinda | Page | 1,009 | 20 | 68.4 | − 2.6 | 97 | 21 | 44 | 5 | 38 | 1.98 | − 2.92 | 0.48 | 0.0 | 8 | 17 | 7 | 6 | ne. | A. S. Van Sandt. |
| Corning‖ | Adams | 1,117 | 18 | 69.0 | − 0.5 | 96 | 18 | 39 | 5 | 39 | 1.65 | − 2.40 | 0.50 | 0.0 | 7 | 15 | 12 | 3 | se. | Jerome Smith. |
| Corydon‖ | Wayne | 1,101 | 17 | 70.8 | + 0.9 | 97 | 18 | 45 | 1† | 32 | 1.34 | − 3.31 | 0.54 | 0.0 | 5 | 23 | 2 | 5 | ne. | Clara Miller. |
| Creston | Union | 1,312 | 5 | 69.2 | ..... | 95 | 18† | 44 | 5 | 34 | 1.36 | ..... | 0.46 | 0.0 | 4 | 17 | 4 | 9 | ne. | Edgar Stovall. |
| Cumberland | Cass | ..... | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.39 | − 3.29 | 1.10 | 0.0 | 3 | 25 | 3 | 2 | s. | J. H. Reppert. |
| Denison | Crawford | 1,180 | 16 | 68.6 | + 0.8 | 95 | 20† | 39 | 6 | 36 | 2.75 | − 0.67 | 0.76 | 0.0 | 9 | 19 | 7 | 4 | s. | W. C. Van Ness. |
| Elliott | Montgomery | ..... | 5 | 69.4 | ..... | 93 | 18† | 42 | 5 | 36 | 0.76 | ..... | 0.30 | 0.0 | 5 | 21 | 8 | 1 | se. | Henry Barnes. |
| Greenfield | Adair | ..... | 17 | 69.0 | − 0.9 | 94 | 18† | 43 | 5 | 33 | 3.37 | − 1.85 | 1.94 | 0.0 | 5 | 18 | 10 | 2 | s. | R. B. Oldham. |
| Hancock | Pottawattamie | 1,113 | 5 | 70.3 | ..... | 98 | 18 | 38 | 5 | 43 | 0.40 | ..... | 0.30 | 0.0 | 2 | 16 | 13 | 1 | se. | G. C. Rogers. |
| Harlan‖ | Shelby | 1,192 | 11 | 68.7 | + 0.2 | 97 | 18† | 38 | 5 | 40 | 0.81 | − 3.81 | 0.48 | 0.0 | 7 | 13 | 12 | 5 | se. | C. A. Reynolds. |
| Hopeville | Clarke | ..... | 19 | 69.2 | − 0.5 | 94 | 18† | 45 | 5 | 36 | 1.76 | − 2.29 | 0.65 | 0.0 | 7 | 11 | 12 | 7 | s. | M. T. Ashley. |
| Inwood‖ | Lyon | 1,474 | 6 | 68.8 | ..... | 96 | 18 | 36 | 6 | 41 | 1.33 | ..... | 0.60 | 0.0 | 6 | 22 | 4 | 4 | s. | F. B. Hanson. |
| Lamoni | Decatur | ..... | 3 | 70.2 | ..... | 95 | 18† | 45 | 5 | 32 | 2.63 | ..... | 0.98 | 0.0 | 7 | 22 | 4 | 4 | se. | T. J. Fitzpatrick. |
| Larrabee | Cherokee | 1,266 | 20 | 68.3 | − 0.2 | 94 | 18 | 36 | 6 | 42 | 2.53 | − 2.95 | 1.01 | 0.0 | 6 | 20 | 5 | 5 | sw. | H. B. Strever. |
| Le Mars‖ | Plymouth | 1,224 | 14 | 68.3 | 0.0 | 92 | 19† | 38 | 5 | 34 | 1.76 | − 2.40 | 0.62 | 0.0 | 10 | 14 | 14 | 2 | se. | G. A. C. Clarke. |
| Lenox‖ | Taylor | 1,250 | 15 | 69.5 | + 0.2 | 94 | 18† | 43 | 5 | 32 | 0.82 | − 3.45 | 0.32 | 0.0 | 5 | 19 | 7 | 4 | s. | J. L. Hurley. |
| Leon | Decatur | 1,120 | 8 | 70.2 | ..... | 95 | 23† | 44 | 3 | 32 | 1.75 | ..... | 0.75 | 0.0 | 6 | 19 | 5 | 6 | s. | Morris Gardner. |
| Little Sioux‖ | Harrison | ..... | 5 | 71.0 | ..... | 99 | 18† | 38 | 1† | 42 | 0.54 | ..... | 0.23 | 0.0 | 8 | 18 | 7 | 5 | sw. | Geo. H. Gibson. |
| Logan‖ | ....do | 928 | 43 | 70.7 | + 0.8 | 99 | 19 | 41 | 5 | 41 | 0.80 | − 4.63 | 0.35 | 0.0 | 4 | 12 | 17 | 1 | se. | Glenn H. Stern. |
| Massena‖ | Cass | ..... | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. E. Smeltzer. |
| Mount Ayr‖ | Ringgold | 1,236 | 17 | 71.1 | + 1.1 | 97 | 18† | 46 | 5 | 32 | 3.32 | − 1.40 | 1.66 | 0.0 | 8 | 16 | 9 | 5 | ne. | A. F. Beard. |
| Odebolt‖ | Sac | 1,356 | 13 | 71.1 | + 1.6 | 101 | 18 | 35 | 5† | 40 | 3.22 | − 0.80 | 1.10 | 0.0 | 8 | 19 | 5 | 6 | ..... | E. Starner. |
| Onawa‖ | Monona | 1,051 | 10 | 71.2 | + 1.2 | 96 | 20 | 41 | 5 | 35 | 1.70 | − 3.30 | 0.57 | 0.0 | 11 | 21 | 3 | 6 | se. | C. G. Perkins. |
| Pacific Junction‖ | Mills | 960 | 11 | 70.1 | + 0.4 | 97 | 25 | 40 | 5 | 41 | 0.88 | − 3.58 | 0.42 | 0.0 | 5 | 11 | 18 | 1 | s. | H. H. McCartney. |
| Rock Rapids‖ | Lyon | 1,358 | 11 | ..... | ..... | 96 | 18† | 47 | 1 | 35 | 1.90 | − 2.81 | 1.25 | 0.0 | 2 | ..... | ..... | ..... | ..... | W. C. Wyckoff. |
| Sheldon‖ | O'Brien | 1,422 | 10 | 69.1 | + 2.7 | 100 | 18† | 35 | 5 | 40 | 2.81 | − 1.71 | 1.15 | 0.0 | 9 | 22 | 5 | 3 | se. | Dr. A. W. Beach. |
| Sibley | Osceola | 1,212 | 17 | 66.6 | + 0.6 | 94 | 20† | 33 | 5 | 35 | 2.20 | − 2.32 | 1.20 | 0.0 | 7 | 20 | 6 | 4 | se. | H. G. Doolittle. |
| Sioux Center‖ | Sioux | ..... | 11 | 68.6 | + 1.8 | 93 | 19† | 40 | 2 | 34 | 1.74 | − 2.99 | 1.26 | 0.0 | 5 | 23 | 3 | 4 | s. | J. de Ruyter. |
| Sioux City | Woodbury | 1,135 | 21 | 70.1 | + 0.7 | 94 | 20 | 42 | 5 | 32 | 1.41 | − 2.47 | 0.74 | 0.0 | 10 | 13 | 9 | 8 | se. | U. S. Weather Bureau. |
| Thurman‖ | Fremont | ..... | 13 | 70.4 | − 0.6 | 97 | 18 | 40 | 5 | 38 | 1.32 | − 4.93 | 0.72 | 0.0 | 4 | 12 | 16 | 2 | sw. | C. R. Paul. |
| Washta‖ | Cherokee | 1,157 | 12 | 68.0 | + 1.4 | 97 | 18† | 35 | 6 | 43 | 2.39 | − 1.93 | 0.92 | 0.0 | 8 | 20 | 6 | 4 | se. | H. L. Felter. |
| Woodburn‖ | Clarke | 961 | 11 | 67.0 | ..... | 95 | 19 | 39 | 3 | 39 | 1.94 | − 2.38 | 0.59 | 0.0 | 7 | 20 | 6 | 4 | se. | C. B. McDonough. |
| *Kansas.* | | | | | | | | | | | | | | | | | | | | |
| Abilene | Dickinson | 1,157 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.44 | − 2.68 | 1.20 | 0.0 | 8 | 3 | 17 | 10 | se. | I. H. Sherman. |
| Agricultural College | Riley | 1,109 | 52 | 71.2 | − 2.5 | 97 | 21 | 45 | 5† | 36 | 1.84 | − 2.81 | 0.56 | 0.0 | 8 | 16 | 10 | 4 | sw. | Prof. J. O. Hamilton. |
| Alton | Osborne | 1,651 | 8 | 72.8 | ..... | 100 | 21 | 44 | 11 | 40 | 1.50 | − 2.71 | 0.84 | 0.0 | 10 | 13 | 12 | 5 | s. | H. A. Storer. |
| Atchison | Atchison | 973 | 19 | 71.4 | − 1.1 | 95 | 18† | 48 | 5 | 34 | 3.15 | − 1.51 | 1.40 | 0.0 | 6 | 22 | 2 | 6 | s. | M. F. Troxell. |
| Baker | Brown | 1,182 | 10 | 68.9 | ..... | 92 | 17† | 44 | 5 | 32 | 5.09 | ..... | 1.50 | 0.0 | 7 | 13 | 2 | 15 | s. | E. A. Bastien. |
| Beloit | Mitchell | 1,383 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.78 | − 2.01 | 1.21 | 0.0 | 7 | 17 | 3 | 10 | se. | W. H. Houghton. |
| Blakeman | Rawlins | 2,894 | 13 | 70.0 | ..... | 103 | 21† | 36 | 11 | 44 | 0.70 | − 2.33 | 0.30 | 0.0 | 9 | 20 | 7 | 3 | se. | C. L. Henderson. |
| Blue Rapids | Marshall | 1,105 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.80 | ..... | 2.20 | 0.0 | 6 | 23 | 1 | 6 | ..... | M. Norton. |
| Centralia | Nemaha | 1,256 | 1 | 69.3 | ..... | 92 | 18 | 44 | 14 | 35 | 5.36 | ..... | 2.15 | 0.0 | 5 | 21 | 5 | 4 | se. | L. E. Hasen. |
| Chapman | Dickinson | 1,123 | 6 | 71.8 | ..... | 98 | 21 | 45 | 10 | 34 | 0.76 | ..... | 0.63 | 0.0 | 3 | 23 | 3 | 4 | s. | R. McShea. |
| Clay Center | Clay | 1,203 | 9 | 71.8 | ..... | 98 | 21 | 47 | 1† | 39 | 3.15 | ..... | 1.00 | 0.0 | 7 | 12 | 10 | 8 | s. | O. L. Slade. |
| Colby | Thomas | 3,138 | 19 | 71.4 | + 1.4 | 102 | 21 | 45 | 11 | 48 | 0.71 | − 2.57 | 0.37 | 0.0 | 6 | 2 | 23 | 5 | se. | R. M. Chelf. |
| Concordia | Cloud | 1,398 | 26 | 71.6 | − 1.1 | 95 | 21 | 50 | 1 | 32 | 1.60 | − 3.37 | 0.79 | 0.0 | 8 | 5 | 24 | 1 | se. | U. S. Weather Bureau. |
| Densmore | Norton | 2,200 | 1 | 72.1 | ..... | 103 | 21 | 44 | 11† | 37 | 0.91 | ..... | 0.68 | 0.0 | 6 | 10 | 16 | 4 | s. | F. S. Griffith. |
| Dresden | Decatur | 2,731 | 16 | 71.4 | + 1.4 | 103 | 21 | 44 | 11 | 41 | 0.09 | − 3.55 | 0.06 | 0.0 | 3 | 17 | 5 | 8 | se. | Jacob Back. |
| Ellsworth | Ellsworth | 1,537 | 6 | 70.4 | ..... | 98 | 21 | 44 | 5† | 39 | 1.05 | ..... | 0.35 | 0.0 | 5 | 16 | 12 | 2 | s. | Geo. Seitz. |
| Enterprise | Dickinson | 1,144 | 8 | 71.6 | ..... | 96 | 18† | 46 | 10† | 34 | 2.73 | − 2.39 | 1.63 | 0.0 | 7 | 15 | 10 | 5 | s. | C. F. Wagner. |
| Eskridge | Wabaunsee | 1,412 | 4 | 72.0 | ..... | 96 | 18 | 47 | 5 | 32 | 2.35 | ..... | 1.50 | 0.0 | 5 | 19 | 5 | 6 | s. | Geo. D. West. |
| Farnsworth | Lane | 2,850 | 9 | 72.2 | ..... | 103 | 18† | 38 | 11 | 49 | 2.94 | ..... | 2.10 | 0.0 | 8 | 20 | 8 | 2 | s. | C. M. Jennison. |
| Ft. Scott | Bourbon | 857 | 35 | 71.5 | − 1.9 | 96 | 20 | 50 | 11 | 32 | 4.49 | − 2.00 | 1.91 | 0.0 | 11 | 19 | 1 | 10 | se. | E. A. Shaver. |
| Frankfort | Marshall | 1,146 | 16 | 71.0 | − 2.5 | 97 | 18 | 42 | 7 | 40 | 7.15 | + 1.79 | 3.10 | 0.0 | 6 | 16 | 12 | 2 | ne. | E. C. Dunham. |
| Garnett | Anderson | 950 | 4 | 70.7 | ..... | 95 | 18 | 53 | 11 | 24 | 2.32 | ..... | 1.20 | 0.0 | 7 | 14 | 11 | 5 | e. | D. D. Judy. |
| Goodland | Sherman | 3,687 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | G. L. Calvert. |
| Gove** | Gove | 2,750 | 21 | ..... | ..... | 101 | 21 | 44 | 11 | ..... | 0.63 | − 2.88 | 0.52 | 0.0 | 2 | 13 | 14 | 3 | se. | Jesse Royer. |
| Hanover | Washington | 1,225 | 13 | 72.0 | ..... | 96 | 18† | 47 | 1† | 34 | 4.58 | − 0.40 | 2.90 | 0.0 | 5 | 22 | 5 | 3 | s. | August Jaedicke, jr. |
| Harrison | Jewell | 1,804 | 9 | 70.6 | ..... | 97 | 21 | 44 | 12 | 35 | 2.00 | ..... | 0.59 | 0.0 | 7 | 23 | 5 | 2 | se. | Mahlon Tegley. |
| Hays | Ellis | 2,000 | 42 | 70.9 | − 0.7 | 101 | 21 | 39 | 11 | 40 | 2.71 | − 0.37 | 2.27 | 0.0 | 5 | 11 | 14 | 5 | se. | G. K. Helder. |
| Hill City | Graham | 2,134 | 2 | 73.2 | ..... | 102 | 21 | 41 | 12 | 42 | 0.42 | ..... | 0.20 | 0.0 | 3 | 24 | 1 | 5 | se. | I. R. Mort. |
| Horton | Brown | 1,188 | 21 | 70.1 | − 2.5 | 93 | 18† | 48 | 3† | 28 | 3.95 | − 0.80 | 1.61 | 0.0 | 8 | 20 | 7 | 3 | se. | Mrs. S. C. Belden. |
| Hoxie | Sheridan | 2,700 | 12 | 73.5 | + 2.0 | 105 | 21 | 41 | 11 | 38 | 0.63 | − 2.57 | 0.24 | 0.0 | 5 | 19 | 6 | 5 | se. | C. T. Dallam. |
| Jewell | Jewell | 1,540 | 5 | 71.8 | ..... | 99 | 21† | 43 | 12 | 39 | 1.01 | ..... | 0.59 | 0.0 | 6 | 22 | 3 | 5 | s. | C. A. Shinn. |
| Lawrence | Douglas | 997 | 42 | 70.5 | − 2.7 | 92 | 18† | 48 | 5 | 29 | 3.17 | − 1.73 | 1.22 | 0.0 | 11 | 18 | 7 | 5 | se. | Prof. H. P. Cady. |
| Lebanon | Smith | 1,812 | 12 | 71.6 | ..... | 99 | 21 | 48 | 1† | 38 | 2.98 | − 0.95 | 1.88 | 0.0 | 7 | 20 | 9 | 1 | s. | Earl V. Bower. |
| Lindsborg | McPherson | 1,333 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.71 | ..... | 0.82 | 0.0 | 5 | 23 | 1 | 6 | s. | J. R. Lynch. |
| Mankato | Jewell | 1,784 | 1 | 70.6 | ..... | 96 | 18† | 46 | 1 | 38 | 0.97 | ..... | 0.34 | 0.0 | 5 | 19 | 8 | 3 | ne. | R. M. Cauthorn. |
| Minneapolis | Ottawa | 1,259 | 20 | 71.0 | − 2.6 | 95 | 20† | 48 | 1† | 30 | 1.15 | − 3.40 | 0.50 | 0.0 | 7 | 20 | 6 | 4 | s. | J. L. Steele. |
| Moran | Allen | 1,098 | 14 | 72.2 | − 1.2 | 94 | 18† | 49 | 11 | 28 | 2.66 | − 2.46 | 0.82 | 0.0 | 7 | 18 | 7 | 5 | ne. | C. J. Norton. |
| Matoma | Osborne | 1,834 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.83 | ..... | 0.55 | 0.0 | 3 | 23 | 4 | 3 | se. | C. O. Hunt. |
| Norton | Norton | 2,284 | 12 | 71.4 | + 0.8 | 102 | 21 | 45 | 7† | 35 | 0.41 | − 3.64 | 0.37 | 0.0 | 3 | 8 | 20 | 2 | se. | Sim Sleffel. |
| Oberlin | Decatur | 2,539 | 23 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.01 | − 2.27 | 0.44 | 0.0 | 5 | 20 | 8 | 2 | s. | I. K. Huber. |
| Oketo‖ | Marshall | 1,194 | 2 | 72.2 | ..... | 94 | 18 | 48 | 4 | 35 | 2.93 | ..... | 1.66 | 0.0 | 7 | 13 | 15 | 1 | s. | J. A. Church |
| Olathe | Johnson | 1,032 | 15 | 70.6 | − 2.1 | 94 | 19 | 47 | 11 | 31 | 4.10 | − 0.56 | 1.56 | 0.0 | 9 | 20 | 3 | 7 | s. | Dr. S. B. S. Wilson. |
| Osage City | Osage | 1,081 | 11 | 70.4 | ..... | 98 | 18 | 47 | 5 | 35 | 3.69 | − 2.30 | 1.89 | 0.0 | 11 | 15 | 6 | 9 | se. | W. C. White. |
| Ottawa | Franklin | 926 | 16 | 69.4 | − 3.5 | 96 | 21 | 44 | 11 | 39 | 1.70 | − 4.63 | 0.59 | 0.0 | 11 | 17 | 7 | 6 | se. | Dr. W. J. Newton. |
| Phillipsburg | Phillips | 1,939 | 19 | 71.8 | + 0.2 | 101 | 21 | 44 | 12 | 41 | 1.91 | − 2.46 | 0.95 | 0.0 | 10 | 19 | 9 | 2 | se. | N. E. Bailey. |
| Plainville | Rooks | 2,156 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | John Pedroja. |
| Pleasanton | Linn | 862 | 8 | 69.4 | ..... | 90 | 20 | 51 | 5† | 28 | 1.56 | ..... | 1.16 | 0.0 | 4 | 22 | 4 | 4 | sw. | B. F. Blaker. |
| Republic | Republic | 1,495 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Grafton Nutter. |
| Russell | Russell | 1,834 | 11 | 72.2 | − 0.6 | 101 | 21 | 45 | 11† | 37 | 0.78 | − 3.96 | 0.50 | 0.0 | 3 | 12 | 8 | 10 | s. | Robert Brebner. |
| St. Francis | Cheyenne | 3,288 | 2 | 70.8 | ..... | 101 | 21† | 38 | 11 | 44 | 1.69 | ..... | 1.40 | 0.0 | 6 | 8 | 18 | 4 | s. | J. E. Uplinger. |
| Salina | Saline | 1,227 | 26 | 71.0 | − 2.6 | 98 | 22 | 46 | 6† | 37 | 1.38 | − 3.41 | 0.51 | 0.0 | 8 | 13 | 13 | 4 | s. | Prof. A. W. Jones. |
| Scott | Scott | 2,971 | 4 | 73.0 | ..... | 103 | 21 | 34 | 12 | 45 | 0.97 | ..... | 0.74 | 0.0 | 4 | 7 | 21 | 2 | s. | J. P. Loughran. |
| Smith Center | Smith | 1,800 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.82 | ..... | 0.33 | 0.0 | 4 | 18 | 7 | 5 | se. | W. H. Nelson. |
| Topeka | Shawnee | 997 | 24 | 71.6 | − 1.9 | 94 | 20 | 49 | 5 | 28 | 1.76 | − 3.05 | 0.87 | 0.0 | 9 | 20 | 6 | 4 | e. | U. S. Weather Bureau. |
| Valley Falls | Jefferson | 913 | 11 | 70.2 | − 2.4 | 92 | 17† | 46 | 5 | 30 | 3.73 | − 1.01 | 2.47 | 0.0 | 8 | 22 | 3 | 4 | se. | Miss Nettie Maxwell. |
| Vinland‖ | Douglas | 880 | 1 | 69.4 | ..... | 92 | 20 | 46 | 11 | 31 | 2.15 | ..... | 0.80 | 0.0 | 8 | 13 | 11 | 6 | ne. | A. Schick. |

TABLE 1.—*Climatological data for June, 1910. District No. 6*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Kansas*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Wakeeney | Trego | 2,456 | 27 | 71.6 | − 0.8 | 100 | 21 | 44 | 12 | 39 | 1.03 | − 2.12 | 0.63 | 0.0 | 6 | 22 | 4 | 4 | se. | A. S. Peacock. |
| Wallace | Wallace | 3,303 | 40 | 72.6 | ..... | 106 | 21 | 36 | 11 | 52 | 0.25 | − 2.25 | 0.07 | 0.0 | 5 | 0 | 28 | 2 | se. | M. T. Griggs. |
| Wamego‖ | Pottawatomie | 1,002 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.40 | − 1.87 | 1.15 | 0.0 | 9 | 13 | 6 | 11 | ne. | M. L. Stone. |
| *Missouri.* | | | | | | | | | | | | | | | | | | | | |
| Amoret | Bates | 850 | 1 | 71.2 | ..... | 95 | 21 | 49 | 11 | 32 | 2.19 | ..... | 1.80 | 0.0 | 3 | 15 | 9 | 6 | se. | Darby Fruit Farm. |
| Appleton City | St. Clair | 853 | 20 | 71.4 | − 2.9 | 97 | 20 | 45 | 4 | 35 | 2.21 | − 3.92 | 1.80 | 0.0 | 7 | 9 | 15 | 6 | ne. | T. C. Brown. |
| Arlington | Phelps | 695 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.04 | + 0.25 | 1.16 | 0.0 | 6 | 22 | 3 | 5 | se. | P. W. Andres. |
| Arthur | Vernon | 767 | 18 | 69.8 | − 2.9 | 94 | 20 | 50 | 11† | 33 | 2.26 | − 4.63 | 1.02 | 0.0 | 6 | 13 | 14 | 3 | se. | J. T. Armstrong. |
| Avalon | Livingston | ..... | 25 | 71.0 | − 1.1 | 95 | 20 | 47 | 7 | 32 | 3.73 | − 1.39 | 1.46 | 0.0 | 8 | 23 | 2 | 5 | sw. | F. G. Ashbaugh. |
| Bagnell | Miller | 594 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.92 | + 1.93 | 1.96 | 0.0 | 8 | 19 | 2 | 9 | e. | W. S. Brockman. |
| Bethany | Harrison | 881 | 20 | 70.8 | − 0.6 | 95 | 19 | 40 | 7 | 35 | 1.43 | − 3.01 | 1.10 | 0.0 | 2 | 22 | 4 | 4 | ne. | W. H. Skinner. |
| Bolivar | Polk | 1,070 | 22 | 69.4 | − 3.0 | 95 | 20 | 46 | 11 | 33 | 4.90 | − 0.69 | 2.60 | 0.0 | 10 | 16 | 10 | 4 | se. | E. Waltz. |
| Boonville | Cooper | 600 | 34 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8.28 | + 2.33 | 3.70 | 0.0 | 9 | 18 | 2 | 10 | se. | C. Randecker. |
| Brunswick | Chariton | 652 | 32 | 72.2 | − 1.0 | 99 | 20 | 49 | 7 | 33 | 3.55 | − 2.14 | 1.50 | 0.0 | 8 | 14 | 6 | 10 | ne. | Louis Benecke. |
| Clinton | Henry | 800 | 24 | 71.0 | ..... | 97 | 20 | 46 | 11 | 34 | 3.67 | − 1.34 | 1.54 | 0.0 | 9 | 18 | 9 | 3 | e. | Dr. G. W. Menees. |
| Columbia | Boone | 784 | 21 | 69.9 | − 4.6 | 91 | 20 | 47 | 3 | 30 | 5.67 | + 1.29 | 2.78 | 0.0 | 11 | 20 | 3 | 7 | e. | U. S. Weather Bureau. |
| Conception‖ | Nodaway | 982 | 26 | 70.8 | + 0.1 | 95 | 18 | 47 | 1† | 30 | 1.15 | − 3.75 | 0.65 | 0.0 | 4 | 16 | 12 | 2 | se. | Fr. Adhelm Hess. |
| Darksville | Randolph | 826 | 19 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. H. Broaddus. |
| El Dorado Springs | Cedar | 750 | 5 | 71.0 | ..... | 96 | 20 | 49 | 11 | 32 | 3.41 | ..... | 2.07 | 0.0 | 4 | 15[a] | 9[a] | 5[a] | ne. | Samuel Graham. |
| Fairport | De Kalb | 920 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.30 | − 3.78 | 0.96 | 0.0 | 4 | 22 | 5 | 3 | sw. | J. W. Lincoln. |
| Fayette‖ | Howard | 725 | 27 | 70.8 | − 2.5 | 92 | 24 | 50 | 3 | 28 | 5.16 | + 0.26 | 1.55 | 0.0 | 8 | 11[f] | 8[f] | 5[f] | ..... | Prof. T. Berry Smith. |
| Fulton | Callaway | 818 | 19 | 70.2[g] | ..... | 91[a] | 19† | 39[a] | 3 | 34[a] | 6.52 | + 1.72 | 2.80 | 0.0 | 8 | 13[b] | 11[b] | 4[b] | ..... | Dr. J. L. Brenneman. |
| Gallatin | Davies | 803 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Dr. W. P. Young. |
| Glasgow | Howard | 618 | 33 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.59 | − 1.08 | 1.50 | 0.0 | 8 | 17 | 5 | 8 | se. | J. J. Shaughnessy. |
| Grant City | Worth | 1,130 | 18 | 70.6 | ..... | 97 | 18 | 43 | 7 | 37 | 0.96 | − 3.83 | 0.52 | 0.0 | 4 | 24 | 1 | 4 | e. | W. H. Campbell. |
| Harrisonville | Cass | 912 | 38 | 70.0 | − 3.2 | 96 | 20 | 50 | 1 | 31 | 2.20 | − 2.56 | 0.65 | 0.0 | 8 | 15 | 2 | 13 | s. | A. J. Sharp. |
| Hazelhurst | Livingston | ..... | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.85 | − 0.50 | 1.15 | 0.0 | 8 | ..... | ..... | ..... | ..... | W. H. Baker. |
| Hermann | Gasconade | 482 | 36 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.53 | − 1.14 | 1.08 | 0.0 | 13 | 12 | 6 | 12 | w. | C. T. Maushund. |
| Houston | Texas | 1,280 | 18 | 67.8 | − 4.3 | 91 | 2?† | 43 | 12 | 36 | 4.09 | − 1.16 | 1.72 | 0.0 | 8 | 8 | 17 | 5 | s. | E. Dempsey. |
| Huntsville | Randolph | 790 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.90 | ..... | 1.50 | 0.0 | 3 | ..... | ..... | ..... | ..... | F. H. Hammett. |
| Jefferson City | Cole | 628 | 29 | 69.4 | − 4.8 | 97 | 17 | 48 | 2† | 35 | 4.98 | + 0.68 | 2.32 | 0.0 | 10 | 19 | 0 | 11 | e. | Miss Emma Swift. |
| Kansas City | Jackson | 963 | 21 | 71.4 | − 1.6 | 92 | 20 | 50 | 4 | 23 | 5.45 | + 0.79 | 3.26 | 0.0 | 9 | 18 | 6 | 6 | se. | U. S. Weather Bureau. |
| Kidder | Caldwell | 1,017 | 20 | 69.8 | − 2.3 | 92 | 18† | 49 | 5 | 25 | 2.12 | − 2.88 | 0.75 | 0.0 | 7 | 19 | 3 | 8 | ne. | J. F. Sharp. |
| Lamonte | Pettis | 863 | 22 | 70.0 | ..... | 93 | 20 | 49 | 1† | 31 | 6.61 | + 1.89 | 1.66 | 0.0 | 11 | 14 | 12 | 4 | sw. | J. R. Wade. |
| Lebanon | Laclede | 1,265 | 22 | 69.0 | − 4.2 | 90 | 20 | 47 | 10 | 28 | 6.28 | + 0.80 | 2.33 | 0.0 | 9 | 15 | 9 | 6 | ne. | M. W. Serl. |
| Lexington | Lafayette | 813 | 27 | 70.8 | − 1.5 | 94 | 18† | 50 | 4† | 30 | 5.06 | − 0.18 | 1.73 | 0.0 | 9 | 16 | 2 | 12 | s. | J. W. Keithley. |
| Liberty | Clay | 864 | 22 | 70.9 | − 2.5 | 95 | 20 | 47 | 3 | 30 | 7.15 | + 2.03 | 2.31 | 0.0 | 9 | 19 | 7 | 4 | se. | W. C. Wilmott. |
| Lockwood | Dade | 1,088 | 16 | 70.8 | ..... | 94 | 20 | 50 | 11 | 29 | 4.32 | − 0.75 | 3.14 | 0.0 | 10 | 18 | 7 | 5 | se. | C. S. Crow. |
| Marshall | Saline | 779 | 20 | 70.4 | − 2.3 | 93 | 20 | 49 | 3 | 29 | 6.09 | + 1.21 | 1.25 | 0.0 | 9 | 20 | 6 | 4 | sw. | Dr. W. H. Black. |
| Marshfield | Webster | 1,492 | 2 | 70.2[c] | ..... | 97[c] | 20 | 47[c] | 11 | 43[c] | 5.08 | ..... | 1.20 | 0.0 | 8 | 9[b] | 8[b] | 11[b] | se. | Dr. J. P. Keller. |
| Maryville | Nodaway | 1,160 | 20 | 70.6 | + 0.1 | 96 | 18 | 47 | 5 | 32 | 3.19 | − 1.91 | 1.52 | 0.0 | 7 | 19 | 5 | 6 | se. | J. R. Brink. |
| Mount Vernon | Lawrence | 1,480 | 34 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Dr. O. H. Brown. |
| Nevada | Vernon | 860 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.70 | − 1.22 | 2.55 | 0.0 | 8 | 18 | 7 | 5 | sw. | C. Jewell. |
| New Palestine | Cooper | 795 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | A. I. Zeigle. |
| Oregon | Holt | 1,113 | 55 | 70.3 | − 2.0 | 93 | 20 | 44 | 5 | 33 | 2.66 | − 2.24 | 1.09 | 0.0 | 6 | 21 | 5 | 4 | se. | Tom Curry. |
| Osceola | St. Clair | 738 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.58 | − 0.70 | 2.55 | 0.0 | 6 | 18 | 6 | 6 | sw. | W. E. Matthews. |
| Rolla | Phelps | 1,092 | 29 | 70.0 | ..... | 92 | 20 | 49 | 11 | 30 | 8.26 | + 4.03 | 2.09 | 0.0 | 9 | 18 | 6 | 6 | ne. | Prof. P. J. Wilkins. |
| St. Charles | St. Charles | 614 | 32 | 71.5 | − 2.2 | 93 | 14 | 45 | 3 | 40 | 5.22 | + 1.02 | 2.03 | 0.0 | 8 | 9 | 12 | 9 | s. | L. C. Saeger. |
| St. Joseph | Buchanan | 825 | 39 | 72.1 | ..... | 95 | 20 | 49 | 5 | 29 | 2.48 | − 2.61 | 1.59 | 0.0 | 8 | 14 | 10 | 6 | se. | U. S. Weather Bureau. |
| St. Louis | ..... | 567 | 39 | 72.3 | − 2.8 | 91 | 26 | 47 | 3 | 23 | 4.24 | − 0.23 | 1.48 | 0.0 | 11 | 12 | 11 | 7 | e. | U. S. Weather Bureau. |
| Sublett | Adair | 1,000 | 30 | 70.2 | − 1.4 | 94 | 19† | 47 | 1† | 34 | 3.10 | − 1.63 | 2.00 | 0.0 | 3 | 15 | 8 | 6 | s. | Lewis Spriggs. |
| Trenton | Grundy | 812 | 15 | 71.2 | − 0.7 | 93 | 19 | 50 | 3 | 27 | 2.76 | − 1.54 | 1.18 | 0.0 | 5 | 23 | 2 | 5 | ne. | J. H. Flesher. |
| Unionville | Putnam | 1,072 | 17 | 69.7 | − 2.6 | 97 | 30 | 42 | 3 | 35 | 1.18 | − 3.56 | 0.85 | 0.0 | 6 | 18 | 1 | 11 | s. | Geo. W. Davis. |
| Warrensburg | Johnson | 883 | 32 | 71.0 | − 2.9 | 94 | 20 | 50 | 5† | 30 | 3.98 | − 1.00 | 1.90 | 0.0 | 8 | 20 | 5 | 5 | ne. | A. F. Smithson. |
| Warrenton | Warren | 865 | 20 | 70.6 | − 2.8 | 94 | 24 | 46 | 3 | 31 | 4.22 | − 0.32 | 1.37 | 0.0 | 10 | 13 | 2 | 15 | e. | Dr. John H. Frick. |
| Warsaw | Benton | 700 | 6 | 71.9 | ..... | 96 | 18† | 44 | 11 | 44 | 5.78 | ..... | 1.96 | 0.0 | 8 | 17 | 8 | 5 | e. | Dr. J. R. Smith. |
| Wheatland | Hickory | 920 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.95 | − 2.27 | 2.10 | 0.0 | 4 | 18 | 7 | 5 | s. | Mrs. S. A. Jackson. |

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
| Estimated by observer.
‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1910. District No. 6, Missouri Valley.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Wyoming.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arapahoe | Big Horn | | | | | | T. | | | | | | | | | T. | T. | | | | | | | | | | | | | | .02 | | 0.02 |
| Barnum | Powder | | | | | | | | | | | | | .23 | .48 | | .02 | | | | | | | | | | | | | | | | 0.73 |
| Basin | Big Horn | | | | | | | | | | | | 1.05 | | | | | | | | | | | | | | | | .23 | | .30 | | 1.58 |
| Bennett | North Platte | | | | | | | | | | | | .30 | .40 | | | | | | | | | | | | | | | T. | | | | 0.71 |
| Big Creek | do | .01 | T. | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Casper | do | | | | | | | | | | | | .03 | T. | | .05 | .05 | | | | | | T. | | .28 | | | | T. | .18 | .06 | | 0.76 |
| Cheyenne | South Platte | .04 | T. | T. | | .03 | | .04 | | | | | | | | T. | .04 | .03 | | | | T. | 1.44 | T. | | T. | | | | T. | .10 | | 1.66 |
| Chugwater | North Platte | T. | T. | T. | | | .03 | | | | | | | .50 | | | | | | | | | | T. | | | | T. | | T. | .14 | | 0.79 |
| Clark | Clark's Fork | .13 | .02 | T. | | | T. | T. | | | | T. | | T. | | T. | | | | | | | | | | | T. | | | | T. | | T. |
| Cody | Big Horn | T. | | | | | | | | | | | T. | T. | | .15 | T. | T. | | | | | | | | | | | | .41 | .09 | | 0.65 |
| Crystal Lake | South Platte | T. | | | | T. | | | | | | | | .02 | .15 | | .02 | | | | | | | T. | | | T. | | T. | .06 | | | 0.33 |
| Dome Lake | Tongue | T. | T. | | | | .01 | | .07 | | | | | | | | | | | | | | | | | | | | | | | | |
| Douglass | North Platte | | | | | | | | | | | | | | | | | | | | | | | | | .06 | | | | | | | 0.55 |
| Dubois | Big Horn | | | | | T. | .08 | .06 | | | | | T. | .17 | T. | | .18 | | | | | | | | | | | | | .26 | .05 | | 0.83 |
| Eaton's Ranch | Tongue | .03 | | T. | | | | | T. | | | | | .24 | .09 | | .16 | | | | | | | | | | | | | .30 | .15 | | 0.95 |
| Echeta | Powder | | | | | | | | | | | | | .20 | | | .30 | | | | | | | | | | | | | | .10 | | 1.70 |
| Elk Mountain | North Platte | | .20 | | | | | | | | | | | 1.01 | | | | .39 | | | | | | | T. | | | | .03 | T. | .10 | | 0.42 |
| Encampment | do | | T. | .10 | | | | | | | | | .08 | .11 | T. | | T. | T. | T. | | | | | | | | | | | T. | | | 0.70 |
| Ervay | do | T. | | | | | | | | | | | .45 | .07 | | | .18 | | | | | | | | | T. | | | | | .03 | | 0.35 |
| Fort Laramie | do | | | .02 | | | | | | | | | | | T. | | .26 | .30 | | | | | | | | | | | .01 | .08 | .13 | | 0.48 |
| Fox Creek Station | do | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | .09 | | | | 0.81 |
| Gillette | Powder | T. | T. | T. | .25 | T. | T. | .12 | T. | T. | | | | .06 | .29 | | | | | | | | | | | | | | | | | | |
| Granite Canyon | South Platte | | | | | | | | | | | | T. | .32 | .07 | | .24 | | | | | | | | | .19 | | T. | | .09 | | | 1.09 |
| Hunters Station | Powder | .04 | | T. | | | .04 | | .10 | | | | | | | | | | | | | | | | | | | | | | .07 | | 1.01 |
| Hyattville | Big Horn | | | | | | | | | | | | | | .07 | .05 | .07 | .03 | | | | | | | | .08 | | | | T. | | | 0.80 |
| Kirtley | Niobrara | | .63 | .12 | | | | | | | | | | .30 | .12 | | | | | | | | | | | | | | | | | | 2.16 |
| Kirwin | Big Horn | | | | | T. | .30 | T. | T. | | | | | .09 | .45 | | .50 | .10 | | | | | | .09 | | | | | | | | | 0.46 |
| Knowles | Belle Fourche | | .02 | .12 | .15 | | | .09 | .50 | .05 | | | .16 | .09 | | | .20 | | | | | | | | T. | | | | .01 | T. | | | 1.52 |
| Lander | Big Horn | | | | | T. | T. | | | | | | .42 | T. | | | .11 | T. | | | | | | | | .32 | | .01 | | .61 | T. | | 0.96 |
| Laramie | North Platte | | T. | | | .05 | | | | | | | | .92 | T. | T. | T. | T. | | | | | | | T. | | | | .04 | T. | | | 0.50 |
| Leo | do | T. | | | | | | | | | | | | .15 | | | | | | | | | | | | .05 | | | | | | | 0.38 |
| Lolobama Ranch | Big Horn | | | | | .20 | | | .10 | | | | | | | | | | | | | | | T. | | | | | | .34 | T. | | 1.13 |
| Lovell | do | .04 | | | | | | | | | | | | | | | .15 | | | | | | | | | | | | | | .29 | | 1.10 |
| Lusk | Niobrara | | .32 | | | | | .37 | | | | | | | | | .23 | .15 | | | | | | | | | | | | | .60 | | 0.83 |
| Luther | South Platte | | | | | | .12 | | | | | | | | | .04 | .05 | | | | .11 | | .05 | | | | | | .02 | | T. | | 0.28 |
| Manville | Niobrara | | .40 | | .02 | | | .13 | .01 | | | | | .20 | | | .05 | | | | | | | | | | | | | .01 | | | 0.91 |
| Moorcroft | Belle Fourche | | | .02 | | | | | | | | | T. | .26 | | | .13 | .27 | | | T. | | | | | | | | | .17 | .07 | | 0.70 |
| Moore | North Platte | T. | T. | | | .01 | T. | | | | | | | .10 | T. | T. | .23 | T. | | | | | | | T. | | | | | | | | 1.71 |
| Newcastle | S. Fork Cheyenne | | .05 | .21 | T. | | | .11 | T. | | | | | 1.25 | .09 | | .34 | | | | | | | | | | | | .03 | | .35 | | 0.58 |
| Pathfinder | North Platte | | | | | | | | | | | | | | | | | | | | | | .23 | T. | T. | | | | | | | | |
| Phillips | do | T. | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pine Bluff | South Platte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Powell | Big Horn | | | | | | | | | | | | | | | | | T. | | | | | | | | | | | T. | .30 | T. | T. | | 0.45 |
| Rawlins | North Platte | T. | T. | | | | | | | | | | .04 | .11 | | | | | | | | | | | | | | | | | | | |
| Riverton | Big Horn | | | | | | | | | | | | | | | | | | | | | | | | | | | | .07 | T. | | | 0.73 |
| Saratoga | North Platte | | .15 | | | | | | | | | | .24 | | | | .06 | | | | | | | | .21 | | | | | | | | |
| Sheridan | Tongue | .04 | T. | T. | .02 | | T. | T | .02 | | | | | .20 | .01 | T. | | .04 | | | | | | .02 | | | | T. | T. | .08 | T. | | 0.43 |
| Shoshone Dam | Big Horn | | | | | | | | | | | | T. | .02 | .04 | T. | .16 | | | | | | | | | T. | | T. | | .35 | | | 1.78 |
| Soldiers' Home | Powder | .09 | | | | | 1.10 | .02 | | | | | | .05 | .02 | | .08 | | | | | | | | | T. | T. | .02 | .15 | .03 | .04 | | 0.39 |
| South Pass City | North Platte | | | | | | | | | | | | | | .76 | .21 | | | | | | | | | | | .13 | | T. | | T. | | 1.10 |
| Thermopolis | Big Horn | | | | | | | | | | | | | | | | | | | | | | | .50 | .15 | | | | | 1.75 | | | 2.45 |
| Upton | Cheyenne | | | | .03 | | .02 | | | | | | | | | | | .05 | | | | | | | | | .03 | | | | | | 0.21 |
| Valley | Big Horn | | | | | | .02 | .06 | .05 | | | | | .08 | .15 | | .14 | | | | | | | | | | | | | | | | 0.37 |
| Verona | Tongue | | | | | | | | | | | | .08 | .15 | | | | | | | | | | | | .05 | | | | .02 | .05 | | 0.38 |
| Wiley | Big Horn | T. | | | | | T. | .03 | | | | | .03 | .05 | T. | .15 | | .25 | | | | | | | | | | | | .11 | | | 0.36 |
| Wyncote | North Platte | | T. | | | | | | | | | | | | | | | | T. | | | | | | | | | | | T. | | | 0.61 |
| Yellowstone Park | Yellowstone | .13 | T. | T. | | .08 | .12 | .03 | .07 | | | .01 | | .08 | .03 | | .06 | | | | | | | | | | | | | | | | 0.33 |
| (1) Fountain Hotel | Madison | | | | | | .08 | .11 | | | | | | | | | .14 | | | | | | | | | | | | | T. | T. | | 0.65 |
| (2) Grand Canyon | Yellowstone | .20 | T. | | | | .16 | | .16 | | | | | | T. | | .13 | | | | | | | | | | | | | | .05 | | 0.43 |
| (3) Lake Hotel | do | .03 | | | | | | | .18 | | | | | | .06 | | .09 | | .02 | | | | | | | | | | | | | | 0.19 |
| (4) Norris Basin | do | | | | | .15 | .04 | | | | | | | | | T. | | | | | | | | | | | | | | | | | 0.41 |
| (5) Riverside | Madison | | | | | | | .14 | .27 | | | | | | | | | | | | | | | | | | | | | | | | 0.61 |
| (6) Soda Butte | Yellowstone | .10 | | | | | .05 | .06 | .30 | | | | T. | .10 | | | | | | | | | | | | | | | | | | | 0.50 |
| (7) Sylvan Pass | Big Horn | | | | | | | .15 | .15 | | | | | .20 | | | | | | | | | | | | | | | | | | | 0.18 |
| (8) Thumb | Yellowstone | | | | | | | .18 | | | | | | T. | | | T. | | | | | | | | | | | | | | | | 0.53 |
| (9) Tower Falls | do | .23 | | | | .10 | .02 | | .10 | | | | .02 | | | | .06 | | | | | | | | | | | | | | | | |
| (10) Upper Gey. Basin | Madison | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Montana.* | | | | | | | | | | | .30 | | | .07 | .35 | | | | | | | | | | | | | | | .40 | | | 1.19 |
| Adams | Yellowstone | | .07 | | | | | | | | | | | .20 | T. | .04 | T. | T. | | T. | | .42 | .03 | .06 | | | | | .05 | | .02 | | 2.12 |
| Adel | Missouri | | T. | T. | .03 | | .10 | .17 | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| Agricultural College | Gallatin | | | | | | | .30 | | | | | | | | | .17 | | | | T. | .64 | .18 | .20 | | | | | | | | | 1.49 |
| Augusta | Sun River | | T. | | | | | | | | | | | | | | | .04 | T. | | | | | .23 | | | | | | | | | 1.65 |
| Babb | Milk River | .02 | .03 | T. | | | | .15 | 1.18 | | | | | | | | | | .18 | | T. | .33 | .34 | .11 | | | | | .09 | | .25 | | 1.85 |
| Bald Butte | Missouri | | .13 | T. | | | .03 | .12 | .27 | | | | T. | | | | T. | | | | | | | | | | | | | | | | 0.89 |
| Big Creek | Yellowstone | | | | | | .07 | | .82 | | | | | .30 | | | | | | | | | | .20 | | | | | | | .10 | | 1.60 |
| Big Timber | do | | | | | | | .25 | .75 | | | | | | | | | | | | | | | | | | | | | | | | |
| Big Timber Creek | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | 0.50 |
| Billings | do | | | | | | | | .20 | | | | | .30 | | | | | | | | | | | | | | | | | | | 1.98 |
| Boulder Nursery | Jefferson | | | | | | .17 | .54 | .22 | | | | .05 | .09 | | .29 | | T. | | | | .25 | .08 | .07 | | | | T. | .02 | | .20 | | 0.48 |
| Bowen | do | | | | | | .04 | .20 | .08 | | | | | | | | | .05 | | | | .08 | | .03 | | | | | | | | | 0.33 |
| Bridger | Yellowstone | | | | | | | | | | | | | .28 | | | .05 | | | | | | .12 | .03 | | | | | | .05 | | | 1.56 |
| Broadview Exp. Sta | do | .06 | .04 | .06 | | | .01 | .09 | 1.00 | | | | | | .10 | | | | | | | | | | | | | | | | | | 1.08 |
| Busby | do | | | T. | | | | | .23 | | | | .03 | .02 | .75 | | | | | | | | T. | .05 | | .04 | | | | .01 | | | 1.05 |
| Busteed | do | | T. | | | | .08 | .19 | .55 | | | | | .02 | | | | .03 | | | | | T. | .20 | | | | | .10 | .03 | T. | | 1.75 |
| Butte | Jefferson | | | | | T. | .10 | 1.00 | | | | | | | | T. | | | | | .25 | T. | T. | .20 | | | | | | T. | .20 | | 2.95 |
| Canyon Ferry | Missouri | | | | | | .01 | .45 | 1.55 | | | | .05 | | | .07 | | | | | | .42 | .06 | T. | | | | | .15 | | .19 | | 1.86 |
| Cascade | do | | T. | .03 | | | .19 | .07 | .91 | | | T. | .01 | T. | | T. | T. | | T. | T. | T. | .36 | .04 | .13 | | | | T. | .04 | T. | .08 | | |
| Cataract Creek‖ | Jefferson | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chessman Reservoir | Missouri | | .03 | | | .03 | .07 | .67 | .48 | | | | | | .18 | .05 | | | | | | | .35 | .47 | .04 | | | | .08 | | .23 | | 2.68 |
| Chester | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chinook | Milk River | .03 | | | | | | | .10 | .09 | | | .12 | | .04 | | .33 | .04 | | | | .01 | .03 | .34 | | | | | | .31 | | | 1.44 |
| Chouteau | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear Creek | Milk River | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | |
| Clemons‖ | Missouri | | .08 | .03 | | | T. | .10 | .47 | | | | | | | | .24 | T. | | | | .73 | .07 | .20 | | | T. | | | .04 | | 1.96 |
| Copper | Musselshell | | | .05 | | | .25 | .60 | .90 | | | | .10 | | .05 | | .09 | .15 | T. | | | .08 | .10 | T. | | | | | | T. | .11 | | 2.48 |
| Crow Agency | Big Horn | | | | | | | .11 | .32 | | | | | .07 | .11 | | | | | | | | T. | | | T. | | | | .17 | | | |
| Culbertson | Missouri | | .10 | T. | | | | T. | | .30 | | | T. | .02 | | .02 | | | | | | | | | | | | | | T. | 1.50 | | 1.94 |
| Cut Bank | Marias | | | | | | | T. | .50 | | | | | | | | | | .50 | | .20 | | .13 | | | | | | T. | .25 | .15 | | 1.73 |
| Decker | Tongue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deep Creek | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delphine | Musselshell | | | .07 | | | .07 | .05 | .70 | | | | .05 | .04 | | | .03 | .26 | | | | .03 | .03 | T. | | | | | | .01 | .02 | | 1.36 |
| Denton | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dillon | Jefferson | .02 | .01 | | .07 | | .03 | .01 | | .21 | .09 | .17 | | | .01 | .01 | .52 | | | | | | | | T. | | | | | T. | .02 | | 1.17 |
| Dirty Creek | Musselshell | | | .03 | .03 | | .23 | .14 | .83 | | | | .09 | | | .01 | .43 | | | | | | .02 | .03 | | | | | | .06 | | | 1.90 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 6*—Continued.

| Stations. | River basins. | Day of month | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Montana*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Creek | Missouri | | | | | T. | .15 | .18 | 1.20 | | | .10 | | | | | | .02 | T. | | | .01 | | T. | | | | | | | .01 | | 1.67 |
| Dry Wolf Camp | do | | | .13 | | | | .70 | .08 | | | 1.00 | | | .76 | .20 | | | | | .02 | .02 | .02 | .45 | .02 | | | | T. | | .10 | | 3.48 |
| East Gallatin River | Gallatin | | | | | | .07 | .10 | 1.04 | | | T. | | | | | | .11 | | | | | | .02 | | .08 | | | | T. | | 1.42 |
| Ekalaka | Little Missouri | | | | | | | | .68 | .18 | | | | .11 | .09 | | | .61 | | | | | | | | | | | | | .70 | | 2.37 |
| Elkhorn | Jefferson | .01 | | T. | | | .30 | .57 | .48 | T. | | .01 | .25 | | | | .06 | .03 | T. | T. | | .32 | .02 | .08 | | | | T. | .11 | | T. | | 2.24 |
| Evans | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fallon | Yellowstone | | .10 | | | | | | 1.14 | | | | | .38 | | | | .30 | | | | | | | | | | | | .61 | | | 2.53 |
| Family | Marias | | | | | | | T. | .68 | | | | | | | | | .87 | | | | | .04 | .13 | | | | | .03 | | .02 | | 1.77 |
| Fish Creek | Jefferson | T. | | | | | | | 1.16 | | | | | .10 | .12 | | .22 | | T. | | | T. | | .60 | | | T. | .20 | | .20 | | 2.60 |
| Fishtail Creek | Yellowstone | .05 | .02 | | | | .05 | .04 | .01 | | | | .03 | | | | | | .02 | | | | | | | | .09 | | | | | | 0.31 |
| Flathead Creek | do | | | | | | .30 | .16 | .50 | | | | | | | | | .18 | .17 | | | .11 | .10 | .04 | | | | | | | .13 | | 1.69 |
| Forsyth | do | T. | | | | | | | .73 | | | | .05 | .50 | | | .40 | | .06 | | | | .14 | T. | | | | | .13 | | | | 2.01 |
| Fort Benton | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fort Shaw | Sun River | | | | | | T. | T. | .72 | | | | | | | | | | | | | .23 | 1.00 | .02 | | | | T. | T. | | T. | | 1.97 |
| Foster | Big Horn | .01 | | | | | | .07 | .08 | | | | T. | .32 | | | | | | | | | | T. | | | | | .15 | | | | 0.63 |
| Garnett | Musselshell | .10 | | | | | .13 | | 2.50 | | | | | | .20 | | .15 | .35 | .25 | | | .35 | .15 | | | | | | | | .20 | | 4.38 |
| Glendive | Yellowstone | | .11 | | | | | | 1.20 | | | | | .37 | | | | .35 | | | | | | | | | | | | | | | 2.03 |
| Goldbutte | Marias | .02 | .01 | T. | | | .03 | | .09 | | T. | | | | | | 1.07 | | | | | .01 | .20 | .05 | | | | .02 | | | .45 | | 2.00 |
| Graham | Powder | | | T. | .05 | | | .67 | .13 | | | | | .08 | .17 | .02 | .72 | | | | | | | | | | | | .27 | .11 | | | 2.22 |
| Grayling | Madison | .09 | | | | T. | | .04 | .16 | | | | | T. | T. | | | | | | | | | | | | | | | | | | 0.29 |
| Great Falls | Missouri | | | T. | | | .37 | .21 | 1.84 | | | | .18 | | | | T. | | | T. | | .21 | .03 | .03 | | | | .01 | .05 | T. | .11 | | 3.04 |
| Half Moon Pass | Musselshell | | .20 | | | | .30 | 3.00 | 3.00 | | | | .40 | .70 | T. | | T. | | .01 | | | | T. | .50 | | | | | | | .50 | | 8.61 |
| Half Way House | Missouri | .19 | | | | | .09 | .11 | 1.33 | | | .10 | | .02 | .08 | | | .15 | | | | .09 | | | | | | | | | | | 2.16 |
| Harlowton | Musselshell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hassel | Missouri | | T. | | | | .23 | | .62 | | | .10 | | .74 | .04 | | | | | | | .23 | | | | | | | | | .90 | | 2.86 |
| Havre | Milk River | T. | | | | | T. | | T. | | | .20 | .02 | | .02 | | .04 | .01 | | .01 | | .05 | .01 | .11 | | | | T. | T. | | .76 | | 1.23 |
| Helena | Missouri | T. | T. | T | | T. | .07 | .74 | .36 | | | .01 | | .11 | T. | T. | .02 | | | | T. | .24 | .15 | .02 | | | | | .04 | T. | .14 | | 1.90 |
| Highwood | do | | T. | | | | .08 | | 2.17 | .01 | | .15 | .11 | | | | .15 | | T. | | | .10 | .10 | | | | | T. | .30 | | | | 3.17 |
| Homepark | Jefferson | | | | | | | .45 | .10 | | | | | | | | | | | | | | | .23 | | | | | | | | | 0.78 |
| Huntley | Yellowstone | | | | | | | .17 | | | | | | .12 | | | | | | | | | | | | | | | | .63 | | | 0.92 |
| Jones Canyon | Gallatin | | | | | .14 | .06 | 1.96 | .03 | | | .02 | | .03 | | | | | | | | T. | T. | .15 | | | | | | | | | 2.41 |
| Jordan | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kleinsmith Creek | Jefferson | | | | | | .15 | .75 | | | | | | | .07 | | | | | | | .36 | .40 | .05 | | | | | T. | T. | | 1.78 |
| Lewiston | Missouri | .53 | | | | | | .02 | .02 | 1.08 | | | | T. | | | | | | | | | .10 | .18 | | | | | | | .35 | | 2.28 |
| Livingston | Yellowstone | T. | | | | | T. | T. | .75 | | | | .08 | T. | | | .06 | | T. | | | T. | T. | T. | | | | | | | .12 | | 1.01 |
| Lodge Pole Creek | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lonetree | Missouri | | | | | | .08 | .12 | 1.38 | | | .10 | .45 | | | | .17 | | .02 | | | .05 | .10 | | | | | .01 | | .12 | .22 | | 2.82 |
| Lost Horse Creek | Musselshell | .08 | T. | .03 | | | .28 | .11 | .28 | .48 | | .02 | | .01 | .02 | .17 | .14 | | T. | | | T. | .06 | .08 | | | | | .02 | | T. | | 1.78 |
| Malta | Milk River | | T. | | | | | | | | | | | | | T. | .01 | .11 | T. | | | | T. | .50 | | | | | | .02 | | | 0.64 |
| Meadow Creek | Madison | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Melstone | Musselshell | | | | | | | 1.03 | 1.15 | | | | | | | | | | | | | | | | | | | | | .70 | | | 2.88 |
| Mildred | Yellowstone | .14 | T. | | | | | .80 | 2.51 | | | | | .17 | | | .38 | | .01 | | | | | .05 | | | | | 1.44 | | | | 5.50 |
| Miles City | do | | | | | | T. | .07 | 1.04 | | | | | .56 | | | .28 | | | T. | | | | | | | | | | .71 | .15 | | 2.81 |
| Mill Creek | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Moore | Missouri | | T. | T. | | | .41 | .24 | 1.17 | | | | | | .14 | | | | | | T. | T. | T. | | | | | | | | T. | | 1.96 |
| Mudd Creek | Jefferson | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Norris | Madison | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nye | Yellowstone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Olsen Creek | Jefferson | | | | | | .13 | .39 | .44 | | | .08 | | | | | | | .09 | | .80 | | .11 | .09 | | | | | | .09 | | | 2.22 |
| Pipestone Pass | do | | T. | | | | .35 | .17 | .65 | | | T. | | T. | | | .13 | | | | .12 | | .09 | | .10 | | | .05 | T. | .04 | | 1.70 |
| Poplar | Missouri | | .40 | | | | | | T. | | | | | | .40 | .15 | T. | T. | | | | | | .55 | | | | | T. | T. | | 1.50 |
| Raymond | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Lodge | Yellowstone | .04 | T. | T. | T. | T. | | | | | | | | .31 | | T. | T. | T. | | | | | | .09 | | | | | | | .40 | | 0.84 |
| Reese Creek | Gallatin | | | | | | .13 | .11 | 1.46 | | | | | | | | | | | | .06 | .07 | | | | | | | | | | | 1.83 |
| Renova | Jefferson | | | | | .04 | .15 | .10 | .31 | | | .06 | | | | | | .06 | | | | .20 | .02 | T. | | | | | | | T. | | 0.94 |
| Rimini | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ryegate | Musselshell | | T. | .13 | | | .05 | T. | 1.13 | | | | | .35 | | | .43 | | .10 | | | | .08 | .07 | | | | | | | | | 2.34 |
| Sedan | Yellowstone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Springbrook | do | | .50 | | | | | .17 | .50 | .02 | | | T. | T. | .01 | | | T. | | | | T. | .01 | | | | | T. | T. | T. | T. | | 1.21 |
| Stearns | Missouri | | | | | | | .52 | | | | | | | | | | | | | .55 | | | .35 | | | | | | | | | 1.42 |
| Three Forks | Madison | | | | | | .35 | | .66 | | | | | | | | .01 | | | | | .20 | .02 | | | | | | | | T. | | 1.24 |
| Tokna | Yellowstone | | .14 | | T. | | | .46 | 1.10 | .07 | | | | .14 | | | | .15 | | .10 | | | .04 | | .45 | | | | | .44 | | | 3.09 |
| Townsend | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trail Creek | Yellowstone | | | | | .17 | .25 | .12 | .66 | | | | | | | | .05 | | | | | | | .18 | | | | | | | .66 | | 2.09 |
| Utica | Missouri | | | T. | | | T. | .27 | .73 | | | | .11 | T. | | .05 | .03 | | | | | T. | .02 | .13 | | | | | .08 | | .57 | | 1.99 |
| Valentine | Musselshell | | | | | | T. | | 1.99 | | | | .03 | | | | T. | | T. | | | | T. | .22 | | | | | | | | | 2.24 |
| Virginia City | Jefferson & Madison | | | | | | | .18 | .43 | | | | | .05 | | | .05 | .05 | | | | .10 | | | | | | | | | .05 | | 0.91 |
| Wall Rock Mountain | Missouri | | | | | | .15 | .18 | 1.01 | | | .04 | | | | | | | | | | | .02 | .03 | | | | | | | | | 1.43 |
| Warm Springs Creek | Madison | | | | | .08 | | .18 | .46 | | | | | | .01 | | | | | | | .03 | | .05 | | | | | | | | | 0.81 |
| West Rosebud Creek | Yellowstone | | | | | | | .10 | .15 | | | | T. | .01 | | | | | | | | | | | | | | | | | | | 0.26 |
| Willow Creek | do | | | | | | | * | .52 | | | | | | | | | | | | | | | | | | | | | | | | 0.52 |
| Wolf Creek | Missouri | | T. | .01 | T. | | .01 | .16 | .90 | | | | .05 | | | .03 | T. | .04 | | T. | T. | .55 | .11 | .13 | | | | T. | T. | | .07 | | 2.06 |
| Wolf Point | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Woodville | Jefferson | | | | | | .14 | .84 | .58 | | | | | | .03 | T. | | | | | | .32 | .10 | | | | | | .02 | | .12 | | 2.15 |
| *North Dakota.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aplin | Knife | | .02 | .05 | | .12 | | .09 | .58 | .01 | .03 | | | T. | | .08 | | .02 | | | | | | .05 | | | | | T. | .40 | | 1.45 |
| Beach | Little Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Berthold Agency | Missouri | | .25 | .06 | | .20 | | .06 | .25 | 1.40 | | | | | .04 | .06 | .07 | .05 | | | | | | 1.28 | | | | | | .15 | .28 | | 4.15 |
| Bismarck | do | | T. | | .06 | .06 | | .06 | 1.00 | .01 | .01 | | | | .05 | .02 | | .03 | | T. | | | | .04 | .14 | | | | | 1.43 | .04 | | 2.95 |
| Broncho | Knife | | T. | .14 | T. | .13 | | .10 | 1.15 | .31 | | | | | | | | | | | | | | | | | | | | | .94 | .07 | | 2.84 |
| Buford | Missouri | | .20 | .06 | T. | .02 | | T. | .31 | .45 | | | | T. | .06 | | | .27 | | | | | | .08 | | | | | | | .22 | | 1.67 |
| Coal Harbor | do | | T. | T. | | .28 | | .45 | .83 | | | | | | | .06 | | .14 | | | | | | .27 | | | | | | .15 | .02 | | 2.20 |
| Dickinson | Hart | | .09 | .08 | T. | | T. | T. | 1.61 | .28 | | | | | .08 | T. | | .47 | | | | | | | .01 | | | | | | .40 | | 3.02 |
| Edgely | James | | | .26 | .05 | .03 | | .23 | .24 | .67 | | | | | | | | | | .02 | | | | .07 | | | | | | | | | 1.57 |
| Ellendale | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epping | Missouri | | .22 | | | .12 | | .05 | .54 | .07 | | | | | .05 | | | .35 | | .01 | | | | | .03 | | | | | | .42 | | 2.06 |
| Fullerton | James | | | .07 | .16 | | | | .30 | .46 | | | | | | | | .21 | | | | T. | T. | | | | | | | | | | 1.20 |
| Haley | Grand | | .07 | T. | | | | .19 | .65 | 1.25 | | | | | .06 | .95 | .12 | .75 | T. | | | | T. | .31 | .90 | | | | | .05 | .05 | | 5.35 |
| Hettinger | Cannon Ball | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Howard | Missouri | | .75 | T. | T. | | | .01 | .37 | .08 | | | | T. | .13 | | | .01 | | | | | | .37 | T. | | | | | T. | .46 | | 2.15 |
| Jamestown | James | | | .35 | | .22 | | .10 | * | .40 | | | | | | | | .35 | | | | | | | .30 | | | | | | T. | | 1.72 |
| Lamoine | Missouri | | .04 | | | .25 | | T. | T. | .80 | | | | | .14 | | | | | | | | | | .50 | | | | | | T. | | 1.63 |
| LaMoure | James | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mc Henry | do | | | .38 | | .09 | | .08 | .10 | | | | | | | | .02 | .30 | | | | | | | .09 | | | | | | | | 1.06 |
| Manfred | Sheyenne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marmarth | Little Missouri | | .06 | T. | | | | .20 | 1.01 | .05 | | | | | T. | | T. | .73 | | .01 | | | | | | | | | | 1.18 | .08 | | 3.32 |
| Marstonmoor | James | | | .53 | T. | .16 | | .10 | .13 | .24 | | | | | | T. | | .53 | .23 | | | | | | .26 | | | | | | | | 2.18 |
| Medora | Little Missouri | | | | | | | | .68 | .12 | | | | .16 | T. | | .84 | .05 | | | | T. | | | | | | | | .80 | .86 | | 3.51 |
| Melville | James | | | .32 | | .23 | | T. | .15 | .50 | | | | | | | | .04 | .46 | | | | | | .15 | | | | | | | | 1.85 |
| Mott | Cannon Ball | .05 | .16 | .14 | .02 | | | .16 | .13 | .61 | | | | .08 | .03 | .60 | .25 | .13 | | | | T. | | 1.11 | .02 | | | | | .60 | | | 4.09 |
| Napoleon | Missouri | | | .48 | .04 | | | .07 | .45 | .08 | | | | | | .03 | | .04 | | | | T. | | | .32 | | | | | | | | 1.51 |
| New England | Cannon Ball | | T. | T. | | | | T. | 1.20 | .40 | | | | | | | .95 | .10 | | | | | | T. | | | | | | | T. | | 2.65 |
| New Salem | Heart | | .01 | | T. | T. | | .15 | .41 | T. | | | | | | .03 | | .50 | | .07 | | | | .13 | | | | | | .25 | .51 | | 2.06 |
| Orange | Cannon Ball | | .13 | .08 | .05 | T. | | | .32 | .17 | | | | | | T. | .06 | .55 | | | T. | .07 | | | | | | | | .03 | | | 1.46 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 6*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *North Dakota*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Palermo | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schafer | Little Missouri | | .19 | .08 | T. | .12 | | | .17 | .05 | | | | .34 | | | | .32 | | T. | | | .04 | | .20 | | | | | .56 | | 2.07 |
| Steele | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Swartwood | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Washburn | Missouri | | T. | | | .25 | | .25 | .85 | T. | T. | | | | | | | .24 | | | | | | | .33 | | | | | .40 | .35 | | 2.67 |
| Williston | do | | .30 | | .04 | .15 | | .08 | .06 | .39 | | | | .04 | | | .01 | .09 | | | | | | | .10 | | | | | | .62 | | 1.88 |
| Wishek | do | | | .40 | .07 | | | .30 | .25 | .45 | | | | | | | | | | | | .35 | .15 | .50 | | | | | | | | 2.47 |
| *South Dakota.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aberdeen ‖ | James | T. | | .35 | .10 | T. | T. | | .50 | 1.45 | T. | | | | | | | T. | | T. | | | T. | T. | T. | .60 | T. | | | | | 3.00 |
| Academy | Missouri | | | .34 | .01 | | | .78 | 1.08 | T. | | | | | | | | | | T. | | | .06 | | .56 | 1.36 | | | | | | 4.19 |
| Alexandria | James | * | .36 | .22 | | | | T. | .95 | T. | | | | | | | | | | | | | | | .15 | T. | | | | | | 1.68 |
| Ardmore ‖ | Cheyenne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Armour | Missouri | | | .40 | | | | | .85 | | | | | | | | | | | | | | | | .30 | .10 | | | | | | 1.65 |
| Belle Fourche | do | | .02 | .18 | .24 | | | | | .17 | | | | | | | | .30 | | | | | | .65 | .12 | | | | | .16 | | 1.84 |
| Bowdle | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brookings | Big Sioux | | | T. | | | .06 | | .78 | * | .62 | | | | | | | T. | | | | | | | | .26 | .13 | | | | | 1.85 |
| Burke | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canton | Big Sioux | | | .14 | | | | | .69 | .64 | | | | | | | .05 | | | | | | | | | T. | | | | | | 1.52 |
| Cascade Springs | Cheyenne | T. | .08 | .33 | | | | .88 | | | | | | | .07 | | T. | | | | | | | | T. | | | | | .02 | | 1.38 |
| Castlewood | Big Sioux | | | .07 | T. | .07 | | | .83 | .75 | | | | | | | | | | .02 | | | | | | .81 | .30 | T. | | | | 2.85 |
| Centerville | Missouri | T. | .45 | | T. | | | T. | .34 | 1.22 | | | | | | | .15 | | | | | | | | | .05 | | | | | | 2.21 |
| Chamberlain | do | | | .60 | | | | .86 | .35 | | | | | | | | | | | | | | | | 1.31 | 2.50 | | | | | | 5.62 |
| Clark | James | | | .15 | | .04 | | | .65 | .55 | | | | | | | | | | T. | | | | | T. | 1.66 | | | | | | 3.05 |
| Clear Lake | Big Sioux | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cottonwood | Missouri | | | .36 | T. | | | .07 | .04 | .27 | | | | | | | | .02 | | | | | .43 | | .03 | .08 | | | | T. | | 1.30 |
| Daviston | Grand | | .12 | .02 | .02 | | | | .31 | | | | | T. | | T. | .24 | .38 | | | T. | | | .35 | | | | | | | | 1.44 |
| Deadwood | Cheyenne | | | .40 | .20 | | | .10 | .20 | | | | | | | | .45 | | | | | | | .25 | .20 | | | | | .10 | | 1.90 |
| Deerfield | do | T. | .12 | | | | | .21 | .24 | | | | | | .02 | .04 | T. | .10 | T. | | .05 | | | .08 | T. | | | | | | | 0.86 |
| De Smet | James | | | | | | | | 1.20 | T. | | | | | | | | | | | | | | | T. | .60 | | | | | | 1.80 |
| Dowling | Cheyenne | | | .48 | .05 | | .12 | .30 | .10 | 1.35 | T. | | | | T. | T. | T. | .20 | | | | | T. | .50 | .33 | T. | | | | | | 3.43 |
| Dumont | do | | .10 | .07 | | | | | .15 | .10 | | | | | .03 | | .11 | | | .05 | | | | | .65 | | | | | | | 1.26 |
| Elk Mountain | do | .04 | | | | | | | | | | | | | .07 | T. | .14 | .07 | | | .14 | | | | | | | | | T. | | | 0.46 |
| Elk Point | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ellingson | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Englewood | Cheyenne | | | .20 | .07 | | | .10 | .20 | .13 | | | | | | | .05 | .11 | | | .02 | | | | .19 | | | | | | | 1.07 |
| Eureka | Missouri | | | .25 | .31 | | | .36 | .39 | .05 | | | | | | | | T. | | .10 | | | .40 | | 1.94 | T. | | | | | | 3.80 |
| Faulkton | James | | | .38 | .06 | | | T. | .30 | .22 | | | | | | | T. | | | .17 | | T. | | | 22 | 1.07 | | | | | | 2.42 |
| Flandreau | Big Sioux | | | | | .22 | | | 1.00 | .85 | | | | | | | | | | | | | | | | .42 | | | | | | 2.49 |
| Forestburg | James | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fort Meade | Cheyenne | .20 | | .40 | | | | .10 | .20 | .05 | | | | | | | | .05 | T. | | | | | T. | .70 | | | | | T. | | 1.70 |
| Frederick | James | | .13 | .20 | .02 | | | .04 | 1.20 | | | | | | | | | | | | | | | | 16 | | | | | | | 1.75 |
| Gannvalley | Missouri | .40 | | .20 | | | | .45 | .76 | | | | | | | | | | | | | | .43 | | .48 | 3.10 | | | | | | 5.82 |
| Greenmont | Cheyenne | | .37 | .24 | | | | .10 | .28 | | | | | T. | | | .08 | .22 | | | .15 | | | .05 | .15 | | | | | | | 1.64 |
| Greenwood | Missouri | | | .20 | .13 | T. | | .55 | .09 | 12 | | | | | | | | | | | | | T. | | .43 | | | | | | | 1.52 |
| Hardy Ranger Station | Cheyenne | | | .09 | .12 | | .12 | .09 | .25 | .15 | | | | | | | .17 | | | | .05 | | | | .25 | | | | | | .06 | | 1.39 |
| Harveys Ranch | do | T. | | .15 | .05 | | .06 | | .39 | | | | | | | | .05 | .06 | | | | T. | | .96 | | | | | | | | 1.72 |
| Hermosa | do | | .23 | T. | | | .08 | .01 | | | | | | | .03 | | | .10 | | | .06 | | | T. | | | | | | | | 0.51 |
| Highmore | Missouri | * | .37 | .44 | .07 | | * | .08 | .51 | .29 | | | | | | | | .01 | | | | | .07 | T. | 1.23 | .67 | | | | | | 3.74 |
| Hill City | Cheyenne | .02 | .02 | .10 | | | | .08 | .02 | | | | | | .03 | | | .10 | .14 | | .04 | | | .03 | .12 | | | | | | | 0.70 |
| Hopewell | do | | | .56 | .08 | | | | .51 | .08 | | | | | | | | .10 | | | | | | .05 | .11 | .21 | | | | .08 | | 1.78 |
| Howard | James | | | .12 | T. | .02 | | | .82 | T. | | | | | | | .35 | | | | | | T. | | .05 | .57 | | | | | | 1.93 |
| Howell | do | | .04 | .40 | | | | | 1.20 | .06 | | | | | | | | | | | .04 | | T. | | .59 | .32 | | | | | | 2.65 |
| Huron | do | | T. | .8 | .01 | | | T. | .67 | .05 | | | | | | | | | | | .04 | | .16 | | .24 | 1.29 | | | | | | 2.54 |
| Ipswich | do | | | .25 | T. | | | | .60 | .95 | | | | | | | T. | T. | | T. | | | .37 | | .18 | .63 | | | | | | 2.98 |
| Kadoka | White | | | .31 | | | .02 | .22 | .04 | .21 | .02 | | | | | | | | | | | | | .83 | .09 | | | | | T. | | 1.74 |
| Kennebec | Missouri | | | .37 | | | | .45 | .41 | | | | | | | | | | | | | | .19 | | .87 | 1.00 | | | | | | 3.29 |
| Kidder | James | | | .20 | T. | | | T. | T. | .90 | | | | | | T. | | | | | T. | | .25 | | | .60 | | | | | | 1.95 |
| Kimball | Missouri | | | | | | | | | .10 | | | | | | | | | | | | | .58 | | .02 | 2.00 | | | | | | 2.70 |
| La Delle | James | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead | Cheyenne | | .33 | .21 | | | .03 | .04 | .19 | | | | | | | | .03 | .15 | | | | | .04 | .32 | | | | | | .02 | | 1.36 |
| Lemmon | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leslie | Cheyenne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marion | Missouri | | .33 | .17 | T. | T. | | T. | .96 | .11 | T. | | | | | | 1.40 | | | | | | | | | .54 | | | | | | 3.51 |
| Marston | do | | .16 | .77 | | | | .14 | .76 | | | | | | | | | .14 | | | | | | | 1.01 | 2.46 | | | | | | 5.44 |
| Mellette | James | | T. | .28 | .02 | .04 | | .02 | .33 | .55 | | | | | | | | | | .08 | | | .10 | T. | T. | .23 | | | | | | 1.65 |
| Menno | do | | .24 | .32 | T. | | | .36 | .37 | T. | T. | | | | | | | | | | | | | | | T. | | | | | | 1.29 |
| Milbank ‖ | Minnesota | .08 | | | .04 | T. | .18 | | .08 | 1.34 | .32 | | | | | | | | | | | | .16 | | | .27 | .86 | | | | | 3.33 |
| Mitchell ‖ | James | * | .20 | .30 | | | | .30 | .58 | .28 | | | | | | | | | | | | | T. | .32 | | | | | | | | 1.98 |
| Murdo | White | | | .25 | | | | .40 | .25 | | | | | | | | | | | | | | | | | .50 | | | | | | 1.40 |
| Oelrichs | Cheyenne | | | | | | 1.50 | | | | | | | | T. | | | | | | | | .50 | | .50 | | | | | | | 2.50 |
| Orman | do | | | .39 | .29 | | | | .15 | .03 | | | | | | | | .58 | | | | | | .18 | .18 | | | | | .18 | | 1.98 |
| Ottumwa | Missouri | | | .43 | | | | | | .08 | | | | | | | | | | | | | | .18 | .20 | .62 | | | | | | 1.51 |
| Pierre | do | T. | .01 | .40 | .06 | | .01 | .23 | .21 | T. | | | | | | | .15 | | .06 | | | | T. | | 1.23 | .16 | | | | | | 2.52 |
| Plankinton ‖ | James | * | .37 | .40 | | | | .63 | .64 | .34 | | | | | | | | | | | | | .24 | | .92 | .04 | | | | | | 3.58 |
| Rapid City | Cheyenne | .01 | .10 | .02 | T. | | .05 | .05 | .03 | T. | | | | | T. | | | .01 | .01 | | .13 | | .35 | .15 | | | | | | | .01 | | 0.92 |
| Redfield ‖ | James | | | .05 | .22 | | | | .50 | .60 | | | | | | | | | | | | | .05 | | .13 | .50 | .05 | | | | | 2.10 |
| Rochford ‖ | Cheyenne | .03 | .16 | .04 | | | .04 | .16 | .05 | | | | | | | .01 | | .02 | | | .19 | | T. | .05 | | | | | | | | 0.75 |
| Rosebud | White | | | .37 | | | .01 | .34 | .15 | .40 | .01 | | | | | T. | | T. | .32 | T. | T. | | .06 | T. | T. | .66 | | | | | .01 | | 2.33 |
| Roslyn | Big Sioux | | | .04 | .05 | T. | | T. | .65 | 1.50 | | | | | | | | | | T. | | | | | * | 2.30 | | | | | | 4.54 |
| Savoy | Cheyenne | | .01 | .40 | .23 | | | | .22 | .10 | | | | | .02 | | | .07 | .06 | | T. | | | .30 | .02 | | | | | | T. | | 1.43 |
| Selby | Missouri | | T. | .25 | .30 | | | .18 | .20 | .10 | | | | | | | | | | | | | | 1.48 | | .05 | | | | | | | 2.91 |
| Sioux Falls | Big Sioux | | | | | T. | | | .60 | .65 | | | .15 | T. | | | T. | T. | | | | | | | T. | .05 | | | | | | | 1.45 |
| Spearfish | Cheyenne | | | .43 | | | | .35 | .10 | | | | .20 | | .10 | | .32 | | | | T. | | .55 | .10 | | | | | | T. | | | 2.15 |
| Stephan | Missouri | T. | .47 | .40 | | | | .25 | .43 | .07 | T. | | | | | | | | .15 | | | | T. | | .96 | 1.00 | | | | | | | 3.73 |
| Tama | Cheyenne | | T. | .26 | .19 | | | * | .20 | .41 | | | T. | T. | T. | T. | .11 | .03 | T. | | T. | | | .25 | .20 | | .02 | | T. | | | | 1.67 |
| Vale | do | | | .41 | .27 | | | T. | .08 | .18 | | | | | | T. | | T. | | | .15 | | | .06 | 1.43 | | | | | .06 | .20 | | 2.84 |
| Vermilion | Missouri | | .09 | .22 | .17 | | | .27 | .70 | .15 | .14 | | T. | | | | .11 | | | .02 | | | | | | | .07 | | | | | | 1.94 |
| Waters Ranch | Cheyenne | | | .36 | .19 | | | | .05 | | | | | | | | .33 | | | | | | * | .09 | .07 | | | | | | | 1.09 |
| Watertown | Big Sioux | | | T. | | T. | | | .90 | 1.00 | | | | | | | | | | T. | | | | | | .88 | | | | | | 2.78 |
| Wentworth | do | | | .14 | | .12 | | | 1.04 | .12 | | | | | | | | | | | | | | | | .38 | | | | | | 1.80 |
| Wessington Springs | James | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Lake | Missouri | | | .40 | | | | .70 | .46 | .08 | | | | | | | | | | | | | .35 | .42 | | 1.14 | | | | | | | 3.55 |
| Yankton | do | T. | | .11 | .02 | .02 | | .49 | .84 | .36 | | | | | | | .01 | | | | | | | | | T. | | | | | | | 1.85 |
| *Minnesota.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pipestone | Big Sioux | | | | | .32 | | | .68 | .93 | | | | | | | | | | T. | | | | | | .40 | | | | | | | 2.33 |
| *Colorado.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akron | Republican | | T. | | | 1.53 | .02 | | | | | | | | | | T. | T. | T. | | | .21 | | T. | 1.05 | | | | | .02 | | 2.83 |
| Alma | South Platte | | | | | | | | | | | | | | | | | | | | | | | | | | .10 | | | | | | 0.10 |
| Arriba | Republican | | | T. | | | | .02 | .02 | | | | | | .22 | | | | | .01 | | | T. | | | | | | | .19 | | 0.46 |
| Auldhurst | South Platte | | | | | | | | | | | | T. | .07 | .02 | | .08 | | | | | | | | .32 | | .75 | | | .82 | | 2.06 |
| Barker | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Borens | do | | | | | | | | | | | | .16 | .14 | | .10 | | | | | | .16 | T. | .10 | | | .14 | .18 | | .16 | .10 | 1.24 |
| Boulder | do | | | | | T. | T. | | | | | | .02 | .02 | | | .08 | | | | T. | | | | .25 | | | | T. | T. | .11 | 0.49 |
| Burlington | Republican | | | | | | .30 | .08 | .03 | | | | | | .10 | | .03 | | | | | | | | | .24 | | | | | .30 | | |

TABLE 2.—*Daily precipitation for June, 1910. District No. 6*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Colorado*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cassells | South Platte | | | | | | | | | | | | * | .23 | | .18 | .16 | | | | | | | | .50 | .10 | .04 | | | | | | 1.21 |
| Cast'e Rock | do | | | .03 | | | | | | | | | | | .50 | | | | | | | | | | .07 | | | | | | | 0.60 |
| Cheesman | do | | | | | T. | | | | | | | T. | .80 | T. | | T. | | | | | | | | .09 | T. | .64 | | | T. | T. | | 1.53 |
| Cheyenne Wells | Smoky Hill | | | T. | | | T. | .09 | | | | | | | | .13 | .18 | | | | | | | | .11 | .37 | | | | T. | | | 0.88 |
| Como | South Platte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cope | Republican | | | .08 | | | | .12 | | | | | | | | | | | | | | | | | .04 | | | | | .04 | | | 0.28 |
| Corona | South Platte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Denver | do | | T. | .01 | | T. | | | | | | | T. | .07 | | | T. | | | | T. | | | | .02 | T. | | | | .09 | .01 | | 0.20 |
| Edgewater | do | | | | | | | | | | | | T. | .04 | T. | | | | | | | | | | .08 | | | | | .07 | | | 0.19 |
| Estes P'k. Fish H'y | do | T. | T. | | | T. | | | | | | | .30 | .12 | | T. | .12 | | | | | | | | .14 | .09 | .05 | | .09 | .45 | .03 | | 1.39 |
| Fort Collins | do | T. | | T. | | T. | | | T. | | | | | .04 | | .06 | .01 | .04 | | | | | | | .56 | | | | * | .02 | .31 | | 1.04 |
| Fort Morgan | do | | T. | .11 | | | | | | | | | | | | | | | | | | | | T. | T. | T. | | | | T. | .78 | | 0.89 |
| Frances | do | | T. | | | | | | | | | | .11 | .29 | .06 | | .15 | | | | T. | | | T. | .12 | .08 | .03 | | .14 | .53 | .38 | | 1.89 |
| Fry's Ranch | do | | | | | | | | | | | | .30 | .21 | | .02 | .24 | .04 | | .02 | | | | | | .13 | | | .05 | .18 | .06 | | 1.25 |
| Georgetown | do | T. | | | | | | | | | | | T. | .32 | .02 | .15 | .21 | | | | | | | T. | .31 | T. | T. | | | | T. | | 1.01 |
| Greeley | do | | T. | | | | .01 | | | | | | | T. | | .04 | T. | | | | T. | .02 | | | .13 | | | | | .33 | | | 0.53 |
| Hartsel | do | | | | | T. | | | | | | | .08 | .24 | | .17 | .03 | | | | | | | | .17 | .24 | | | | | | | 0.93 |
| Hawthorne | do | | | | | | | | | | | | | | T. | | .17 | | | | | | | | .34 | | | | .03 | .14 | T. | | 0.68 |
| Holyoke (near) | do | | | .78 | .03 | | | .04 | | | | | | | | .07 | .09 | .02 | | | | | | | 1.75 | | | | | .04 | .14 | | 2.96 |
| Idaho Springs | do | | | | | | | | | | | | | .02 | | | | | | | | | | | .33 | .08 | .30 | | | .35 | | | 1.10 |
| Kessler | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| La Porte | do | | | | | | | | | | | | | .20 | | | .26 | | | | | | | | .90 | | | | | .27 | | | 1.63 |
| Le Roy (near) | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Longmont | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Long's Peak (near) | do | .05 | | .08 | | | | | | | | | .28 | .17 | | | .28 | .05 | | | | | .08 | | .62 | | | | .35 | .65 | | | 2.61 |
| Moraine | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Platte Canyon | do | | | | | | | | | | | | | | | | | | | | | | | | .27 | * | .40 | | | .27 | | | 0.94 |
| St. Cloud | do | T. | T. | | | | .09 | | | | | | .04 | .05 | | T. | .14 | T. | | | | | T. | | | T. | | | | | .30 | | 0.62 |
| Sedgwick | do | .10 | T. | .25 | .02 | .10 | T. | .01 | | | | | | | | | .10 | | | | | | | | .57 | .14 | | | | | T. | | 1.29 |
| Sill Mine | do | | | | | | | | | | | | | .10 | .30 | | .20 | .40 | | | | | | .09 | .45 | | T. | .12 | | .10 | T. | | 1.76 |
| Spicer (near) | North Platte | | | | | | | | | | | T. | .10 | | | | | | | | | | | | | | | | .03 | T. | | | 0.13 |
| Sterling | South Platte | | .01 | 1.33 | | | | | | | | | | | | | .01 | | .01 | .04 | | .23 | .01 | | .03 | .08 | | | | | | | 1.75 |
| Waterdale | do | | | | | | | | | | | | .02 | .30 | | .11 | .10 | | | | | | | | .98 | | | | | .08 | .29 | | 1.88 |
| Westlake | do | | | T. | | T. | | | | | | | T. | T. | | | T. | T. | | | | | T. | | .35 | | | | | | .77 | | 1.12 |
| Wray | Republican | .05 | .04 | | | .13 | | | | | | | | | | .06 | | .05 | | | | | .50 | | T. | | | | | .13 | | | 0.96 |
| Yuma | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Nebraska.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ainsworth | Niobrara | | .21 | .62 | | | | 1.09 | .07 | .19 | | | | | | | | | | | | | | | 1.96 | | | | | | | | 4.14 |
| Albion | Loup | | | | .07 | .01 | | .56 | .51 | .05 | | | | | | | | | | | | | | | | .52 | | | | | | | | 2.10 |
| Alliance | North Platte | | .05 | | | | | .05 | .05 | | | | | | | | .20 | | | .05 | .10 | | | | .25 | .05 | | | | 1.50 | .50 | | 2.80 |
| Alma | Republican | | .27 | .38 | | .01 | .02 | .16 | .08 | | | | | | | | | | | | | | | | | .23 | | | | | | | | 1.15 |
| Anoka ‖§ | Niobrara | | | .30 | .15 | .01 | | .55 | .05 | .10 | .05 | | | | | | | | | | | | | | | 1.10 | | | | | | | | 2.37 |
| Ashland | Platte | | | .02 | | | .02 | .26 | .39 | .03 | .11 | .09 | | | | | | | | | | | | | | .29 | .21 | | | | | | | 1.42 |
| Atkinson ‖ | Elkhorn | | | | .58 | .05 | .02 | .85 | | | .22 | | | | | | | | | | | | | | | 1.15 | | | | | | | | 2.87 |
| Auburn | Little Nemaha | | | | .22 | | .01 | .02 | .33 | .76 | .03 | .02 | | | | | | | | | | | | | | | .02 | | | | | | | | 1.41 |
| Beatrice | Blue | | | .25 | | | .26 | .64 | .70 | | | | | | | | | | | | | | | | | .11 | | | | | | | | 1.96 |
| Beaver City | Republican | | | .47 | | | .04 | .12 | .50 | | | | | | | | | | | | | | | | .17 | | | | | .25 | | | 1.66 |
| Bellevue | Missouri | | | | .01 | | | .13 | .57 | | .13 | | | | | | | | | | | | | | | | | | | | | | | 0.84 |
| Blair | do | | | | | | | .17 | .04 | | .08 | | .21 | | | | | | | .04 | | | | | .52 | .47 | | | | | | | 1.53 |
| Bloomfield | do | | | .18 | .15 | | | .05 | .03 | .53 | | | | | | | | | | | | | | | | | | | | | | | 0.94 |
| Bridgeport | North Platte | | .08 | | | .45 | | | | | | | | | | | .14 | | | | | | .15 | | .53 | | | | | 1.45 | .49 | | 3.29 |
| Brokenbow ‖ | Loup | | .21 | .24 | .03 | .07 | | 1.05 | 1.20 | | | | | | | | | | | .18 | | | | | | 1.48 | .76 | | | | | | | 5.22 |
| Burge | Niobrara | | | .50 | .30 | | | | .06 | | | | | | | | | | | | | | .91 | | 1.54 | | | | | | | | 3.31 |
| Callaway | Loup | | | .25 | | | | | 1.35 | | | | | | | | | | .85 | | | | | | 1.40 | .16 | | | | | | | 4.01 |
| Cambridge | Republican | | | .16 | | | .09 | .05 | .35 | | | | | | | | | | | | | | | | | | | | | | | | 0.65 |
| Canton (near) | North Platte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Columbus ‖ | Loup | | | | | | | | 1.60 | .47 | .08 | | | | | | | | | | .08 | | | | | | | .12 | | | | | 2.35 |
| Creighton | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crete | Blue | | | .22 | | | | .56 | 1.63 | .18 | | | | | | | | | | | | | | | 2.05 | | | | | | | | 4.64 |
| Culberson ‖ | Republican | | 1.31 | | .15 | .03 | .05 | .15 | | | | | | | | | .05 | .09 | | | | | | | 10 | | | | | | | | 1.93 |
| Curtis | do | | .18 | .41 | | | .04 | .06 | .27 | | | | | | | .36 | | .11 | | .13 | | | | | 80 | | | | | | | | 2.36 |
| David City | Blue | | | | | | .05 | .48 | .93 | | .13 | | | | | | | | | | | | | | | | .35 | | | | | | | | 1.94 |
| Dawson | Great Nemaha | | | .03 | | | .20 | .58 | 1.66 | | .08 | | | | | | | .06 | .13 | | | | | | | | | | | | | | | 2.74 |
| Elsie ‖ | Republican | .05 | .45 | | | .02 | | | | .10 | | | | | | | | .22 | | | | | | .17 | .27 | | | | | .13 | | | | 1.41 |
| Enderslake | Loup | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ewing ‖ | Elkhorn | | | .30 | .13 | | | 1.12 | .12 | .06 | | | | | | | | | | .06 | | | .49 | | | .58 | | | | | | | | 2.86 |
| Fairbury ‖ | Blue | | .29 | | | | | 61 | 1.75 | | | | | | | | .09 | | | | | | | | | | .10 | | | | | | | 2.84 |
| Fairmount ‖ | do | | | .16 | | | .20 | .05 | .97 | .24 | .06 | | | | | | .24 | | | | | | | | | | .55 | .35 | | | | | | 2.82 |
| Fort Robinson ‖ | Niobrara | | .25 | .10 | | | | | | | | | | | | | | .35 | | | | | .30 | | | .45 | | | | | .35 | | | 1.80 |
| Franklin | Republican | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fremont | Platte | | | | | | | .32 | .13 | | | | | | | | | | | | | | | | | | | | | | | | | 0.45 |
| Fullerton | Loup | | | | | | | .49 | 1.36 | .16 | | | | | | | | | | | | | | | | 1.80 | | | | | | | | 3.81 |
| Geneva | Blue | | | | .28 | .13 | .95 | .40 | .09 | .07 | .04 | | | | | | .12 | | | | | | | | | | .84 | | | | | | | | 2.92 |
| Genoa | Loup | | | .03 | | | .02 | .37 | .85 | | .03 | | | | | | | | | | | | | | 1.41 | .35 | | | | | | | | 3.06 |
| Gordon ‖ | Niobrara | | .07 | .30 | | | | .27 | | | | | | | | | .15 | | | | | | .16 | | | .05 | | | | | 1.00 | | | 2.00 |
| Gosper | Republican | | .67 | .34 | | | | .22 | .31 | | | | | | | | | | | .05 | | | | | | | | | | | .08 | | | 1.67 |
| Gothenburg | Platte | | .22 | .40 | | | | .38 | .65 | | | | | | | | | | .25 | | | | | | | 1.40 | .40 | | | | | | | 3.73 |
| Grand Island ‖ | do | | | .15 | | | .11 | .15 | .50 | | .13 | | | | | | | | | | | | | | 3.10 | | | | | | | | 4.14 |
| Grant | Republican | | .46 | | | | | .18 | .05 | | | | | | | | .07 | .05 | | | | | | | .59 | .15 | | | | | | | 1.55 |
| Greeley | Loup | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Halsey | do | | .10 | | | .05 | .47 | | .08 | .02 | | | | | | | | | | .47 | | | | | 4.45 | | | | | | | | 5.64 |
| Hartington | Missouri | | | .06 | .14 | | | .80 | .12 | .60 | | | | | | | | | | .28 | | | | | | .05 | | | | | | | | 2.05 |
| Harvard ‖ | Blue | | .01 | .29 | | .04 | | .85 | 1.12 | .03 | .03 | | | | | .02 | .47 | | | | | | | | | 1.18 | | | | | | | | 4.04 |
| Hastings ‖ | do | | | .27 | .02 | | | 18 | 1.23 | .29 | | | | | | | .28 | | | | | | | | | .55 | | | | | | | | 2.82 |
| Hayes Center | Republican | .05 | .86 | .02 | .05 | .32 | .10 | .27 | .05 | | | | | | | .10 | .50 | | | | | | | | .70 | .05 | | | | | .10 | | | 3.17 |
| Hay Springs | Niobrara | .28 | .39 | .05 | | | | .45 | | | | | | | | .23 | .07 | | | | | .02 | .25 | | .12 | | | | | 1.30 | .03 | | 3.19 |
| Hebron | Blue | | | .36 | | | | .57 | 1.41 | | .08 | | | | | | .17 | | | | | | | | | | .42 | | | | | | | | 3.01 |
| Hemingford ‖ | Niobrara | | .03 | .03 | .04 | .03 | | | .07 | | | | | | | .01 | | .04 | | | | .10 | .04 | .42 | | .01 | | | | 1.46 | | | | 2.28 |
| Hillside | North Platte | | .06 | .47 | .09 | | .05 | | .23 | | | | | | | | .40 | .19 | | | | | | | .23 | .12 | | | | | .11 | | | 1.95 |
| Holdredge ‖ | Republican | | .14 | .30 | | .02 | | .06 | .62 | .20 | | | | | | | | | | | | | | | | .15 | | | | | | | | 1.49 |
| Hooper | Elkhorn | | | | | .04 | | .33 | .12 | | | | | | | | | | | .08 | | | | | | | .37 | | | | | | | | 0.94 |
| Imperial | Republican | .02 | | 1.24 | .04 | .45 | | .04 | .06 | | | | | | | | .03 | .13 | | | | | | | | .48 | | | | | .02 | | | 2.51 |
| Kearney | Platte | | .05 | .45 | | | 1.07 | 1.01 | | | | | | | | | | .05 | | | | | | | | 1.83 | | | | | | | | 4.46 |
| Kimball ‖ | South Platte | | .68 | | | .03 | .05 | | | | | | | | | | .22 | | | | .03 | | | | .22 | | | | | 1.28 | .13 | | 2.64 |
| Kirkwood | Niobrara | .05 | | .30 | .20 | | .09 | .85 | .11 | .10 | .05 | | | | | | | | | | | | | | 1.75 | | | | | | | | 3.50 |
| Kowanda | North Platte | .07 | .15 | | .06 | .20 | .03 | | .02 | | | | | | | | .18 | | | | | .03 | | | .24 | | | | | .19 | .49 | | 1.66 |
| Lexington | Platte | | .16 | .42 | | | | .38 | .90 | | | | | | | | | .02 | | .60 | | | | | | 1.43 | | | | | | | | 3.91 |
| Lincoln | do | | | .10 | | | .11 | .61 | 1.00 | .09 | | | | | | | | | | | | | | | | | .18 | | | | | | | | 2.09 |
| Loup | Loup | | | .15 | .05 | | | .70 | .72 | | | | | | | .38 | | | | | | | | | | 2.38 | | | | | | | | 4.38 |
| Loyal | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mc Cook | Republican | | | .65 | | .11 | | | .30 | | | | | | | | | | | | | | | | | | | | | | | | | 1.12 |
| Madison | Elkhorn | | | | | | | .72 | .76 | | | | | | .18 | | | | | | | | | | | | | | | | | | | 1.66 |
| Marquette | Platte | | | .08 | | | | .52 | .24 | .12 | .01 | | | | | | | | | | | | | | | 1.18 | | | | | | | | 2.15 |
| Mason City ‖ | Loup | | .08 | .20 | .06 | .08 | | .55 | .95 | | | | | | | | .92 | | | | | | | | 1.45 | | | | | | | | 4.29 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 6*—Continued.

| Stations | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Nebraska*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minden | Blue | | .08 | .30 | | .03 | | .35 | 1.40 | | | | | | | | | .01 | | | | | | | | 1.57 | | | | | | | 3.74 |
| Mitchell [‖] | North Platte | | | | | .04 | .05 | | | | | | | | | | .10 | .05 | | | .10 | .07 | | | | | | | | 1.02 | .80 | | 2.23 |
| Nebraska City | Missouri | | | .40 | | | | .50 | .55 | .35 | | | | | | | | | | | | | | | | | | | | | | | 1.80 |
| Norfolk | Elkhorn | | | | .06 | | | .86 | .40 | | | | | | | | | .02 | | | | | | | .02 | | | | | | | | 1.36 |
| North Loup | Loup | | | | | | .10 | 1.05 | .90 | | | | | | | .10 | .05 | | | | | | | | | 1.38 | | | | | | | 3.58 |
| North Platte | Platte | | .07 | .42 | | .03 | | .04 | .18 | | .02 | | | | | | .16 | | | | | | | | 1.13 | | | | | | .70 | | 2.75 |
| Oakdale | Elkhorn | | | .09 | .05 | .01 | | .66 | .25 | .06 | | | | | | .01 | | .01 | | | | | | | | .09 | | | | | | | 1.23 |
| Omaha | Missouri | | | | | | | .08 | .22 | .07 | | | | | | | | | | | | | | | | | | .06 | | | | | 0.43 |
| Ord [‖] | Loup | | | .17 | .12 | | .20 | .78 | .38 | | | | | | | .02 | | .04 | | | | | | | | 2.25 | | | | .25 | | | 4.21 |
| Palisade | Republican | | | .12 | | .13 | | | .16 | | | | | | | | .42 | | | | | | | | .53 | | | | | | | | 1.36 |
| Pawnee City | Great Nemaha | | | .21 | | | .20 | .55 | 1.25 | .12 | | | | | | | | .14 | .45 | | | | | | | | .60 | | | | | | 3.52 |
| Plymouth [‖] | Blue | | | | .22 | | .15 | .85 | .65 | .01 | | | | | | | .01 | | | | | | | | 2.20 | .75 | | | | | | | 1.89 |
| Purdum | Loup | | .02 | .03 | .08 | | | .64 | .04 | .10 | | | | | | | | | | .15 | | | | | | | | | | | | | 4.01 |
| Ravenna | ...do | | | .26 | | | .05 | .40 | .80 | | | | | | | | | | | | | | | | | 3.19 | | | | | | | 4.70 |
| Redcloud | Republican | | .08 | .15 | | | .01 | .50 | .30 | | | | | | | | .58 | | | | | | | | | 1.30 | .12 | | | | | | 3.04 |
| Saint Libory | Loup | | | .09 | | | | .70 | | .32 | | | | | | | | | | | | | | | | 2.15 | | | | | | | 3.26 |
| Saint Paul | ...do | | | | | | | .82 | .55 | .07 | | | | | | | | | | | | | | | | 1.02 | | | | | | | 2.46 |
| Santee | Missouri | | | | .07 | | .60 | | .15 | .95 | | | | | | | | | | | | | | | | | | | | | | | 1.77 |
| Sargent [‖] | Loup | | .20 | | | .25 | | .75 | 1.04 | | | | | | | | | | | .27 | | | | | | 70 | | | | | | | 3.21 |
| Schuyler | Platte | | | | | | | .48 | .81 | | | | | | | | | | | .20 | | | | | .12 | | | | | | | | 1.61 |
| Scottsbluff | North Platte | | | | .02 | .01 | .01 | .04 | | | | | | | .06 | | .05 | | | | .18 | | | | | | | | | 1.85 | .83 | | 3.05 |
| Seward [‖] | Blue | | | | | .20 | | 1.10 | | | | | | | | | | | | | | | | | | 1.50 | | | | | | | 2.80 |
| Sheridan | Loup | | | | .09 | | | .70 | .10 | .22 | | | | | | | | | | | | | | | .40 | 1.06 | .03 | | | | | | 2.60 |
| Sidney | South Platte | | .17 | .10 | .06 | .01 | | .03 | | | | | | | .04 | | .03 | | | | | .08 | | | | .15 | | | | 2.06 | .71 | | 3.44 |
| Springview | Niobrara | | | .35 | .15 | | | 1.45 | .48 | | | | | | | | | | | | | | | | .75 | .70 | | | | | | | 3.88 |
| Stanton | Elkhorn | | | .17 | .10 | | | .63 | .73 | .06 | | | | | | .06 | | | | | | | | | | | | | | | | | 1.75 |
| Stratton [‖] | Republican | | 1.51 | | | .08 | | .05 | | | | | | | | | .56 | | | | | | | | | 1.40 | | | | | | | 3.60 |
| Superior | ...do | | | .30 | | | | 1.40 | | | | | | | | | | | | | | | | | .45 | .20 | | | | | | | 2.35 |
| Tecumseh [‖] | Great Nemaha | | | | | | .20 | | 1.20 | .27 | | | | | | | | | | | | | | | | | | | | | | | 1.67 |
| Tekamah | Missouri | | | | | .10 | | .02 | .33 | .20 | .05 | | | | | | | | .02 | .05 | | | | | | .07 | .25 | | | | | | 1.09 |
| Turlington | Little Nemaha | | | .30 | | | .23 | .53 | .43 | .07 | .10 | | | | | | | | | .10 | | | | | | | | | | | | | 1.76 |
| Valentine | Niobrara | | .05 | .50 | .19 | | .01 | .90 | .36 | .10 | .01 | | | | | | | | .11 | | .58 | .19 | | | 1.93 | .19 | | | | | | | 5.12 |
| Wahoo | Platte | | | | | | | .25 | .35 | | | | | | | | | | .95 | | | | | | | | | | | | | | 0.60 |
| Wakefield | Elkhorn | | | .08 | | .02 | | .54 | .11 | .61 | .08 | | | | | | | | | | | | | | | | | | | | | | 2.39 |
| Walthill [‖] | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | 1.60 | | | | | | | 3.64 |
| Watertown | Platte | | .13 | .41 | | | | .24 | 1.26 | | | | | | | | .70 | | | | | | | | .85 | | | | .29 | .05 | | 3.44 |
| Wauneta | Republican | | 1.00 | | .55 | | | .41 | .44 | .02 | .04 | | | | | | | | | .15 | | | | | | .25 | | | | | | | 1.52 |
| Weepingwater | Missouri | | | .17 | | | .04 | .41 | .44 | .02 | .04 | | | | | | | | | .15 | | | | | | | | | | | | | 1.98 |
| Westpoint | Elkhorn | | | | .23 | | | .53 | .58 | .34 | .12 | | | | | | | | | .18 | | | | | | | | | | | | | |
| Wisner | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | .15 | | | | | 1.07 |
| York | Blue | | | .10 | | | .04 | .45 | .27 | .04 | .02 | | | | | | | | | | | | | | | | | | | | | | |
| *Iowa.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 |
| Afton | Grand | | T. | .08 | T. | | T. | T. | .60 | .12 | 1.07 | | | | | | | | | | | | | | 2.00 | | .42 | | | | | 4.29 |
| Allerton | Chariton | | .02 | .02 | T. | | .07 | T. | .38 | | .02 | | | | | | | | | | | | | | | | 1.40 | | | | | | 1.91 |
| Alton | Floyd | | .03 | T. | .09 | | T. | | T. | 1.01 | .07 | | | .05 | | | | .01 | | | | | | | | | | | | | | | 1.26 |
| Atlantic | Nishnabotna | .01 | | .01 | | .02 | .02 | | .41 | | .07 | .03 | | | | T. | | T. | | | | | | | 1.57 | .56 | .01 | | | | | | 2.71 |
| Audubon | ...do | | .15 | | .05 | .01 | | | .19 | .05 | | | | | | | | | | | | | | | 1.10 | .09 | | | | | | | 1.64 |
| Bedford | Missouri | | | | | | | .15 | .40 | T. | .16 | | | | | | T. | | | | | | | | | .44 | .04 | | | | | | 1.19 |
| Centerville | Chariton | | | | | | | | | .15 | .06 | | | | | | | | | | | | | | | | | | | T. | | | 0.21 |
| Chariton | ...do | | T. | T. | T. | T. | | T. | .43 | T. | .55 | | | | | | | | | | | | | | | | | .55 | | | | | 1.53 |
| Clarinda [‖] | Nodaway | T. | | T. | .37 | | .21 | | .20 | .48 | .40 | | .13 | | | | | | .02 | | | | | | | .17 | | | | | | | 1.98 |
| Corning | ...do | | T. | .12 | | T. | | .03 | .25 | T. | .46 | .09 | | | | T. | | | | | | | | | | .20 | .50 | | | | | | 1.65 |
| Corydon | Chariton | | | .11 | T. | T. | | T. | .41 | .07 | .21 | | | | | | | | | | | | | | | | .54 | | | | | | 1.34 |
| Creston [‖] | Missouri | | | | | | .04 | | | .41 | .46 | | | | | | | | | | | | | | | | .45 | | | | | | 1.36 |
| Cumberland | Nodaway | | T. | | | T. | | T. | .22 | T. | .07 | T. | | | | | | | | | | | | | 1.10 | | | | | | | | 1.39 |
| Denison | Missouri | | .19 | T. | .18 | .09 | | | .09 | T. | .76 | .02 | .69 | | | T. | | | | .25 | | | | | .48 | | | | | | | | 2.75 |
| Elliott | Nishnabotna | | T. | | | | .09 | .30 | | .19 | T. | | | | | | | | | | | | | | .12 | | .06 | | | | | | 0.76 |
| Greenfield | Nodaway | | T. | T. | | T. | .08 | T. | 1.00 | .03 | 1.91 | | | | | T. | | | | | | | | | | .35 | | | | | | | 3.37 |
| Hancock | Nishnabotna | T. | | | | T. | | T. | .30 | T. | | T. | | | | | | .10 | | | | | | | | | | | | | | | 0.40 |
| Harlan | ...do | | .02 | T. | T. | .02 | | T. | .18 | .01 | | T. | .02 | | | T. | | T. | T. | | | | | | .48 | T. | .08 | | | | | | 0.81 |
| Hopeville | Grand | | T. | .15 | T. | | | | .65 | .12 | .23 | | T. | | | | | | | | | | | | .20 | .20 | .21 | | | | | | 1.76 |
| Inwood | Big Sioux | .02 | | .08 | | .01 | | | .60 | .57 | T. | | T. | | | | .05 | | | | | | | | | T. | | | | | | | 1.33 |
| Lamoni | Grand | | | .11 | | | | .07 | .66 | .60 | .11 | | | | | | | .10 | | | | | | | | | .98 | | | | | | 2.63 |
| Larrabee | Little Sioux | | | .06 | T. | | | | 1.01 | .80 | | | T. | | | | .06 | T. | | .42 | | | | | .17 | T. | | | | | | | 2.52 |
| Le Mars | Floyd | | .39 | .06 | .05 | .04 | | .04 | .62 | .05 | .16 | | T. | | | | .02 | T. | | | | | | | | .33 | | | | | | | 1.76 |
| Lenox | Missouri | | | .10 | | | | .10 | .32 | | .25 | | | | | | | | | | | | | | | .05 | | | | | | | 0.82 |
| Leon | Grand | | T. | T. | T. | T. | | .10 | .75 | .60 | .10 | | .10 | | | | | | | | | | | | | | .10 | | | | | | 1.75 |
| Little Sioux | Little Sioux | | .02 | T. | .03 | .05 | | .23 | .11 | .03 | .05 | | | | | | | | | | | | | | .02 | | | | | | | | 0.54 |
| Logan | Missouri | | | T. | T. | T. | | | .09 | .12 | .24 | | | | | T. | | T. | | | | | | | T. | | .35 | | | | | | 0.80 |
| Massena | Nodaway | | | | | | | | | | | | | | | | .08 | | | | | | | | | | | | | | | | |
| Mount Ayr | Grand | | | .20 | | | | .10 | .43 | .75 | .10 | | | | | | | | | | | | | | | | 1.62 | .04 | | | | | | 3.32 |
| Odebolt | Missouri | | .27 | .08 | | .15 | | | .58 | .45 | .15 | | | | | | | | | .15 | | | | | 1.10 | .44 | | | | | | | 3.22 |
| Onawa | ...do | | | | .10 | .08 | | .13 | .57 | .50 | .08 | | .02 | | | .01 | | .01 | | | | | | | .05 | T. | | | | | | | 1.70 |
| Pacific Junction | ...do | | | .10 | | | | .27 | .42 | .05 | T. | T. | | | | | .04 | | | | | | | | | | | | | | | | 0.88 |
| Rock Rapids | Big Sioux | | | | | | | | | .65 | 1.25 | | | | | | | | | | | | | | | | | | | | | | 1.90 |
| Sheldon | Floyd | | T. | .15 | | T. | | | .75 | 1.15 | .05 | | .15 | | | | .03 | | | .03 | | | | | | .10 | .40 | | | | | | 2.81 |
| Sibley [‖] | Big Sioux | | .02 | | .12 | | .25 | | | 1.20 | .17 | | T. | | | | | .04 | | | | | | | | | .40 | | | | | | 2.20 |
| Sioux Center | Floyd | | T. | .11 | | .10 | | | 1.26 | .18 | | | | | | | .09 | | | | | | | | T. | T. | | | | | | | 1.74 |
| Sioux City | Missouri | T. | .02 | .08 | .12 | .02 | | .15 | .70 | .17 | .01 | .01 | | | | | | T. | T. | | | | | | .13 | T. | | | | | | | 1.41 |
| Thurman | ...do | | | .10 | | T. | T. | .22 | .72 | T. | .28 | T. | T. | | | | | T. | | T. | | | | | T. | | | | | | | | 1.32 |
| Washta | Little Sioux | | .40 | .08 | .08 | .12 | | | .92 | .56 | | | T. | | | | | | T. | | | | | | .18 | .05 | | | | | | | 2.39 |
| Woodburn | Chariton | | T. | .12 | .01 | | .01 | T. | .55 | .44 | .22 | | | | | | T. | | | | | | | | | T. | .59 | | | | | | 1.94 |
| *Kansas.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abilene [‖] | Smoky Hill | | | | | T. | .04 | T. | .70 | .06 | | .10 | | | | | | | T. | .02 | .18 | | | | | .14 | 1.20 | | | | | | 2.44 |
| Agricultural College | Kansas | T. | | T. | | | | .53 | .23 | .04 | | | T. | | | | .01 | | .15 | .22 | | | | | | .56 | .10 | | | | | | 1.84 |
| Alton | Solomon | | .06 | .05 | | T. | .01 | .05 | .04 | T. | | | | | | .05 | | | | .84 | | T. | | | .19 | .20 | | | | .01 | | | 1.50 |
| Atchison | Missouri | | | .40 | T. | | .40 | .60 | 1.40 | | .25 | | | | | | | | | T. | | | | | T. | | .10 | | | | | | 3.15 |
| Baker [‖] | ...do | | | | | | .17 | .42 | .36 | 1.50 | .19 | | | | | | | | | 1.40 | | | | | | 1.05 | | | | | | | 5.09 |
| Beloit [‖] | Solomon | | .11 | .71 | | | | .39 | | .07 | | | | | | | | .08 | | | | | | | | 1.21 | .21 | | | | | | 2.78 |
| Blakeman | Republican | | | .10 | | | | .01 | .01 | | | | | | | .03 | .30 | .20 | | | .02 | | | .01 | | | | | | .02 | | | 0.70 |
| Blue Rapids [‖] | Blue | | | .30 | | | | | .56 | 2.20 | .21 | .05 | | | | | | | .48 | | | | | | | | | | | | | | 3.80 |
| Centralia | ...do | | | .85 | | | T. | .67 | 2.15 | | T. | | | | | | | | .05 | 1.64 | | | | | | T. | | | | | | | 5.36 |
| Chapman | Smoky Hill | T. | T. | | .05 | T. | T. | .63 | .08 | T. | T. | | | | | | | | | T. | | | | | | T. | T. | | | | | | 0.76 |
| Clay Center | Republican | | .10 | 1.00 | | | | 1.00 | .10 | | T. | | | | | | .10 | | .50 | | | | | | | .35 | | | | | | | 3.15 |
| Colby | ...do | T. | .03 | .08 | T. | T. | .37 | .02 | .04 | | | | | | | | | .17 | | | | | | T. | | | | | | T. | | | 0.71 |
| Concordia | ...do | T. | .10 | .31 | T. | | | .78 | .07 | | .01 | | | | | | .30 | .01 | | | | | | | | .02 | | | | | | | | 1.60 |
| Densmore | Solomon | | | .09 | | | T. | .06 | | | | | | | | | | .02 | .01 | | | | | | .05 | .68 | | | | | | | 0.91 |
| Dresden | Republican | | | .02 | | T. | .01 | T. | .06 | | | | | | | | | | | | | | | | | T. | | | | | T. | | 0.09 |
| Ellsworth | Smoky Hill | | | | | | | .35 | .03 | | | | | | | | | .15 | .34 | .18 | | | | | | | | | | | | | 1.05 |
| Enterprise | ...do | | .03 | T. | T. | | | .75 | .03 | | | | | | .08 | | | | T. | .09 | | | | | .12 | | 1.63 | | | | | | 2.73 |
| Eskridge | Kansas | | | T. | .07 | T. | | .27 | .10 | T. | .41 | | | | | | | | | 1.50 | | | | | | | | | | | | | 2.35 |
| Farnsworth | Smoky Hill | T. | | | | | .19 | .04 | .01 | .02 | | | | | | | | .01 | | | | | | | .53 | .04 | | | | 2.10 | | | 2.94 |
| Ft. Scott | Marmaton | .04 | T. | | 1.21 | .30 | | .01 | 1.91 | .07 | .04 | .05 | | T. | | | | | T. | T. | .05 | | | | | .50 | | | | .31 | | | 4.46 |
| Frankfort | Blue | | | .55 | | | | .78 | 3.10 | | .05 | | | | | | | | T. | 1.95 | .72 | | | | | T. | | | | | | | 7.15 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 6*—Continued.

| Stations | River basins | Day of month. 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Kansas—Cont'd.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Garnett | Marais de Cygnes | | T. | T. | 1.20 | | T. | .60 | .03 | | .05 | | .05 | | | | | | | .20 | | | | | | | .19 | | | | | | 2.32 |
| Goodland | Smoky Hill | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gove | Blue | | | | | | .11 | | | | | | | | | | | | | | | | | | | | | | | | .52 | | 0.63 |
| Hanover | do | | | .20 | | | | .82 | 2.90 | T. | .06 | | | | | | T. | | | T. | | | | | | .60 | | | | | | 4.58 |
| Harrison | Republican | | .10 | .30 | | | | .24 | .18 | | T. | | | | | | .30 | | | | | | | | .59 | .29 | | | | | | 2.00 |
| Hays | Smoky Hill | | | | T. | | .20 | | .05 | .04 | | | | | | | | | | | | | | | .15 | 2.27 | | | | | | 2.71 |
| Hill City | Solomon | | | .20 | | | T. | .08 | | | | | | | | | | | | | | | | | .14 | | | | | | | 0.42 |
| Horton | Kansas | | T. | .60 | T. | | .10 | .70 | 1.61 | .21 | .12 | | | | | | | | T. | .42 | | | | | | T. | .19 | | | | | 3.95 |
| Hoxie | Solomon | | | .16 | | | .12 | .06 | .05 | | | | | | | | | | | | | | | | | | | | | .24 | | 0.63 |
| Jewel | Republican | | | .06 | | | | .23 | .04 | | | | | | | | .06 | | | .03 | | | | | T. | .39 | | | | | | | 1.01 |
| Lawrence | Kansas | | .01 | .17 | .23 | | | .40 | 1.22 | T. | .05 | | | | | | | | .43 | .13 | | | | | T. | .44 | .08 | .01 | | | | | 3.17 |
| Lebanon | Solomon | | .12 | .26 | | | | .15 | .10 | | | | | | | | .42 | | | | | | | | | 1.88 | .05 | | | | | 2.98 |
| Lindsborg | Smoky Hill | .15 | | | | | | .46 | .18 | | | | | | | | | | .82 | .10 | | | | | | | | | | | | 1.71 |
| Mankato | Republican | | .12 | .28 | | | | .19 | .04 | T. | | | | | | | | | | | | | | | | | .34 | | | | | | 0.97 |
| Minneapolis | Solomon | | T. | T. | T. | T. | | .50 | .03 | .05 | T. | | | | | | | | .05 | .04 | | | | | | | .48 | | | | | 1.15 |
| Moran | Marmaton | T. | T. | T. | .54 | | .03 | .30 | .82 | .01 | .06 | | T. | | | | | | | .70 | | | | | | T. | T. | | | | | 2.66 |
| Natoma | Saline | | | T. | | | | .25 | | | | | | | | | | | .03 | | | | | | .55 | | | | | | | 0.83 |
| Norton | Republican | | | | | | | .03 | .01 | | | | | | | | | | | | | | | | | .37 | | | | | | | 0.41 |
| Oberlin | do | T. | T. | .15 | | | | .11 | .03 | T. | | | | | | | | | | | | | | | .28 | | | | | | .44 | | 1.01 |
| Oketo | Blue | | | .18 | | .08 | .48 | | 1.66 | T. | .14 | | | | | | | | | .38 | | | | | | | .01 | | | | | 2.93 |
| Olathe | Kansas | T. | | .03 | 1.18 | | .10 | .44 | 1.56 | T. | .23 | | .01 | | | | | | .43 | | | | | | | | | .10 | | | | 4.10 |
| Osage City | Marais de Cygnes | | .15 | .03 | .15 | .04 | T. | T. | .28 | .52 | .15 | .28 | | | | | | | | 1.89 | T. | T. | | | .19 | T. | T. | | .01 | | | | 3.69 |
| Ottawa | do | .02 | .02 | .01 | .59 | .09 | .01 | | .32 | .12 | .13 | .16 | | | | | | | | .23 | | | | | | | | T. | | | | | 1.70 |
| Phillipsburg | Solomon | | T. | .08 | | .05 | .03 | .07 | .04 | | | | | | | | | T. | | .40 | | | .02 | | .23 | .95 | | | | | .04 | | 1.91 |
| Plainville | Saline | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pleasonton | Marais de Cygnes | .10 | | | 1.16 | | | .25 | .05 | T. | T. | | | | | | | | | T. | | | | | | | T. | | | | | | 1.56 |
| Republic | Republican | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Russell | Smoky Hill | | | | | | | .20 | .08 | | | | | | | | | | | .50 | | | | | | T. | T. | | | | | | 0.78 |
| Saint Francis | Republican | | .05 | .04 | | | T. | | T. | | | | | | | .08 | | 1.40 | | | | | | T. | .01 | | | | | .11 | | 1.69 |
| Salina | Smoky Hill | | .04 | .09 | | | T. | .51 | .01 | | T. | | | | | T. | | | .26 | .01 | | | | | T. | .45 | .01 | | | | | 1.38 |
| Scott | White Woman | | | | | | T. | T. | | | | | | | | | | | | | | | .02 | | .04 | .74 | | | | | .17 | | 0.97 |
| Smith Center | Solomon | | .33 | .12 | | | | | | .25 | | | | | | .12 | | | | | | | | | | | | | | | | | 0.82 |
| Topeka | Kansas | | .02 | T. | .10 | | | .42 | .69 | T. | .12 | | | | | | | .09 | .03 | .27 | | | | | | .02 | | T. | | | | | 1.76 |
| Valley Falls | do | T. | | .02 | .08 | | | .48 | 2.47 | | .18 | | | | | | | | .05 | .20 | | | | | | | .25 | T. | | | | | 3.73 |
| Vinland | do | .05 | | | .80 | | | .28 | .56 | .02 | .12 | | | | | | | | | .22 | | | | | | .10 | | | | | | | 2.15 |
| Wakeeney | Smoky Hill | | T. | T. | | | .25 | .05 | .06 | | | | | | | | | .02 | | | | | | | | .63 | | .02 | | | | 1.03 |
| Wallace | do | | | | | | .02 | .06 | T. | | | | | | | | | | | | | | T. | .05 | T. | .07 | | | | | .05 | | 0.25 |
| Wamego | Kansas | | .05 | T. | T. | | | .30 | .40 | .05 | .35 | | T. | | | | | | .30 | .55 | | | | | | | .25 | 1.15 | | | | | 3.40 |
| *Missouri.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amoret | Osage | T. | | T. | 1.80 | | T. | .29 | T. | T. | T. | | | | | | | | | | | | | | | T. | .10 | | | | | | 2.19 |
| Appleton City | do | | | | | .03 | | | .05 | .20 | .05 | .03 | | | | | | | | | | | | | 1.80 | .05 | | | | | | 2.21 |
| Arlington | Gasconade | | | | 1.10 | .92 | | | .60 | 1.16 | T. | | | | | | | | | T. | | | | | | .16 | .10 | T. | | | | 4.04 |
| Arthur | Osage | .20 | | | 1.02 | | T. | .28 | T. | T. | T. | | | | | | | | | | | | | | .50 | .09 | | .17 | | | | 2.26 |
| Avalon | Grand | | | .25 | .14 | | .16 | .07 | .65 | | .88 | | | | | | | | .12 | | | | | | | | 1.46 | | | | | 3.73 |
| Bagnall | Osage | | | | 46 | 1.20 | | | .50 | 1.54 | .98 | 1.96 | | | | | | | | | | | | | | | .12 | | .16 | | | 6.92 |
| Bethany | Grand | | | | T. | | | | 1.10 | T. | .33 | | | | | T. | | | | | | | | | | | | | | | | | 1.43 |
| Bolivar | Osage | | | .04 | 2.60 | .16 | | .21 | 1.40 | .10 | .04 | | .25 | | | | | | | | | | | | | .05 | | .05 | | | | | 4.10 |
| Boonville | Missouri | T. | | | 2.26 | .32 | | .04 | 42 | 3.70 | T. | | .86 | | | | | | .10 | | | | | | | T. | .50 | .08 | | | | | 8.28 |
| Brunswick | Grand | | | | .46 | .13 | | | .39 | 1.50 | .15 | .06 | .02 | | | | | | | | | | | | | | .84 | | | | | | 3.55 |
| Clinton | Osage | | | .10 | 1.54 | .09 | | .21 | .80 | .18 | .30 | | | | | | | | | | | | | | | | .37 | .08 | | | | | 3.67 |
| Columbia | Missouri | T. | T. | .67 | .56 | .15 | .01 | .09 | 2.33 | .49 | .02 | | | | | | | | .02 | | | | | | T. | .82 | | .51 | | | | | 5.67 |
| Conception | do | | | T. | T. | | .07 | T. | .65 | T. | .37 | .06 | | | | | | | | | | | | | | | | | | | | | 1.15 |
| Darksville | Chariton | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| El Dorado Springs | Osage | | | | 2.07 | | | .14 | 1.12 | | .08 | | | | | | | | | | | | | | | | T. | | | | | | 3.41 |
| Fairport | Grand | | | | | | .10 | .08 | .96 | .16 | T. | | | | | | | | | | | | | | | | | | | | | | 1.30 |
| Fayette | Missouri | | | .31 | .72 | | .07 | .13 | 1.55 | | 1.14 | | | | | | | | .30 | | | | | | | | | .94 | | | | | 5.16 |
| Fulton | do | .02 | T. | .31 | | | 2.80 | | | 1.25 | .66 | | | | | | | | | .63 | | | | | | .03 | .82 | | | | | | 6.52 |
| Gallatin | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glasgow | Missouri | | | | .82 | .12 | | | .14 | 1.50 | .46 | .50 | | | | | | | .04 | | .01 | | | | | | | | | | | | 3.59 |
| Grant City | Grand | | | | T. | | T. | .22 | .52 | .08 | .14 | | | | | T. | T. | | .03 | | | | | | | T. | T. | | | | | | 0.96 |
| Harrisonville | Osage | | | | .22 | .11 | | .04 | .65 | .45 | T. | .20 | | | | | | | | | | | | | | T. | .50 | | | | | | 2.20 |
| Haselhurst | Grand | | | .15 | .02 | | .03 | .03 | .52 | 1.15 | 1.04 | | | | | | | | | | | | | | | | .91 | | | | | | 3.85 |
| Hermann | Missouri | .04 | T. | | 1.00 | .60 | | .02 | .18 | 1.08 | .03 | .02 | | | | | | | | | .01 | | | .02 | | .38 | | .08 | .04 | | | | 3.53 |
| Houston | Gasconade | | | | | .22 | T. | T. | .20 | 1.30 | .30 | | | | | | | | .15 | | | | | | | .12 | .08 | 1.72 | T. | | | | 4.09 |
| Huntsville | Chariton | | | | | | | 1.50 | | .70 | | | | | | | | | | | | | | | | | .70 | | | | | | 2.90 |
| Jefferson City | Missouri | .01 | | | 1.32 | .28 | | .08 | .25 | 2.10 | .22 | .02 | | | | | | | | | | | | | | | | .50 | .20 | | | | 4.98 |
| Kansas City | do | | | .04 | .43 | | .28 | .70 | 3.26 | .03 | .10 | | | | | | | | .29 | | | | | | | | .32 | | | | | | 5.45 |
| Kidder | Grand | | | | .11 | | | .13 | .12 | .66 | .10 | .25 | | | | | | | | | | | | | | | .75 | | | | | | 2.12 |
| Lamonte | Missouri | | | | 1.66 | .11 | .08 | .68 | 1.17 | .58 | 1.31 | .08 | T. | | | | | | | .39 | | | | | | T. | .52 | .03 | | | | | 6.61 |
| Lebanon | Osage | | | | 1.68 | .32 | | | .80 | 2.33 | .47 | | | | | | | | | | | | | | .12 | .43 | .05 | .08 | | | | | 6.28 |
| Lexington | Missouri | | | | .80 | .10 | | .35 | .65 | 1.73 | .20 | .43 | .40 | | | | | | | | | | | | | | | .40 | | | | | 5.06 |
| Liberty | do | | | 1.35 | .30 | | .50 | .57 | 2.31 | .07 | .07 | | .04 | | | | | | T. | | | | | | | | | 1.94 | | | | | 7.15 |
| Lockwood | Osage | .10 | T. | .11 | 3.14 | | .07 | .23 | .26 | .11 | .04 | | .02 | | | | | | T. | T. | | | | | | .24 | T. | | | | | | 4.32 |
| Marshall | Missouri | | | 1.10 | 1.24 | | .24 | .25 | .60 | 1.25 | .44 | | .18 | | | | | | T. | | | | | | | | | .79 | | | | | 6.09 |
| Marshfield | Osage | | | | .35 | .85 | | .30 | 1.20 | 1.20 | | | .35 | | | | | | | | | | | | | .33 | | .50 | | | | | 5.08 |
| Maryville | Missouri | | | T. | .14 | | .05 | | .20 | .63 | .55 | | | .10 | | | | | | | | | | | | | 1.52 | | | | | | 3.19 |
| Mount Vernon | Osage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nevada | do | .03 | T. | | 2.55 | | T. | .30 | .62 | .32 | .05 | | | | | | | | | T. | | | | | | .73 | .10 | | | | | | 4.70 |
| New Palestine | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oregon | Missouri | | | .05 | | | .06 | .25 | .93 | | .37 | T. | T. | | | | | | | T. | | | | | | 1.00 | | | | | | | 2.66 |
| Osceola | Osage | | | | 2.55 | 1.32 | | | .06 | .10 | | | | | | | | | | | | | | | | | .50 | .05 | | | | | 4.58 |
| Pattonsburg | Grand | T. | | | .11 | | | .06 | .08 | 1.08 | .16 | .01 | T. | | | | | | | | | | | | | | T. | T. | | | | | 1.50 |
| Rolla | Gasconade | | | T. | 1.52 | .19 | | .28 | .10 | 2.09 | 1.50 | | | | | | | | T. | | | | | | | 1.37 | .17 | .95 | | | | | 8.26 |
| St. Charles | Missouri | | | .10 | 1.78 | .44 | | | .27 | .52 | .02 | | | .06 | | | | | | T. | | | | | T. | | | 2.03 | | | | | 5.22 |
| St. Joseph | do | | | .10 | T. | | .40 | .51 | 1.11 | .01 | .09 | .22 | | | | | | | | T. | | | | | | .04 | | | | | | | 2.48 |
| St. Louis | Mississippi | | | .04 | 1.40 | .09 | | | .90 | .38 | .37 | | | .06 | .02 | | | | | .07 | | | | | | | .08 | .83 | | | | | 4.24 |
| Sublett | Chariton | | | | 1.00 | | | | .10 | | | | | | | | | | T. | T. | | | | | | | 2.00 | | | | | | 3.10 |
| Trenton | Grand | | T. | .10 | | T. | | .06 | .58 | .84 | T. | | | | | | | | | | | | | | 1.18 | | | | | | | | 2.76 |
| Unionville | Chariton | .04 | | | .03 | T. | .02 | | | .70 | .15 | | | | | | .04 | | | T. | | | | | | | .20 | | | | | | 1.18 |
| Warrensburg | Missouri | | | T. | .55 | .15 | T. | .42 | 1.90 | .44 | | | .22 | | | | | | .10 | | | | | | | T. | | .20 | | | | | 3.98 |
| Warrenton | do | .03 | T. | | 1.37 | .83 | | .02 | .01 | .60 | .26 | | | | | | | | | | .17 | | | T. | | T. | | .83 | .10 | | | | 4.22 |
| Warsaw | Osage | | | | 1.78 | | .06 | .27 | 1.96 | .81 | .34 | | T. | | | | | | | T. | | | | | | .18 | T. | .38 | | | | | 5.78 |
| Wheatland | do | | | | 2.10 | | | | .64 | | .11 | | | | | | | | | | | | | | | .10 | | | | | | | 2.95 |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 6, Missouri Valley.*

| Date. | Wyoming. | | | | | | | | | | | | | | | | Montana. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Basin. | | Cheyenne. | | Fort Laramie. | | Lander. | | Newcastle. | | Pathfinder. | | Sheridan. | | Yellowstone Park. | | Billings. | | Dillon. | | Havre. | | Helena. | | Lewiston. | | Malta. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1... | 86 | 50 | 76 | 46 | 85 | 49 | 87 | 52 | 75 | 46 | 87 | 50 | 74 | 51 | 77 | 42 | 80 | 54 | 72 | 48 | 74 | 47 | 84 | 49 | 71 | 32 | 68 | 40 |
| 2... | 79 | 45 | 84 | 43 | 77 | 45 | 78 | 43 | 72 | 44 | 82 | 47 | 68 | 34 | 59 | 32 | 73 | 41 | 63 | 37 | 52 | 34 | 52 | 35 | 50 | 37 | 59 | 37 |
| 3... | 76 | 40 | 50 | 38 | 63 | 45 | 72 | 33 | 64 | 36 | 74 | 34 | 61 | 31 | 55 | 27 | 58 | 36 | 68 | 35 | 54 | 29 | 60 | 31 | 55 | 25 | 58 | 28 |
| 4... | 58 | 45 | 66 | 40 | 69 | 45 | 75 | 36 | 70 | 40 | 82 | 44 | 68 | 43 | 66 | 30 | 76 | 31 | 70 | 44 | 71 | 33 | 71 | 39 | 67 | 31 | 69 | 33 |
| 5... | 79 | 45 | 72 | 44 | 79 | 40 | 75 | 38 | 74 | 40 | 80 | 37 | 73 | 36 | 68 | 34 | 76 | 35 | 74 | 46 | 71 | 39 | 75 | 44 | 70 | 31 | 70 | 34 |
| 6... | 76 | 42 | 60 | 49 | 62 | 51 | 78 | 49 | 64 | 44 | 83 | 47 | 70 | 47 | 66 | 38 | 80 | 46 | 69 | 36 | 79 | 46 | 69 | 48 | 72 | 47 | 73 | 37 |
| 7... | 81 | 42 | 82 | 54 | 76 | 51 | 77 | 41 | 74 | 50 | 83 | 46 | 80 | 43 | 63 | 37 | 82 | 44 | 72 | 39 | 69 | 51 | 62 | 43 | 67 | 37 | 73 | 49 |
| 8... | 75 | 40 | 75 | 44 | 80 | 50 | 67 | 43 | 60 | 50 | 78 | 50 | 58 | 46 | 50 | 36 | 70 | 44 | 74 | 41 | 70 | 51 | 59 | 40 | 74 | 34 | 72 | 49 |
| 9... | 78 | 41 | 69 | 37 | 75 | 47 | 74 | 34 | 68 | 48 | 71 | 36 | 68 | 40 | 63 | 30 | 74 | 34 | 78 | 47 | 76 | 44 | 70 | 40 | 58 | 37 | 76 | 48 |
| 10... | 81 | 45 | 66 | 41 | 76 | 37 | 77 | 37 | 76 | 38 | 78 | 42 | 78 | 36 | 78 | 37 | 84 | 39 | 80 | 50 | 85 | 48 | 82 | 44 | 89 | 50 | 85 | 40 |
| 11... | 91 | 42 | 74 | 41 | 87 | 43 | 89 | 40 | 80 | 46 | 92 | 49 | 91 | 38 | 81 | 46 | 94 | 46 | 78 | 48 | 94 | 58 | 87 | 51 | 80 | 39 | 91 | 56 |
| 12... | 93 | 60 | 78 | 40 | 85 | 46 | 80 | 52 | 82 | 50 | 95 | 58 | 71 | 58 | 69 | 46 | 88 | 63 | 64 | 35 | 76 | 50 | 70 | 50 | 74 | 54 | 86 | 47 |
| 13... | 80 | 52 | 73 | 48 | 85 | 54 | 71 | 53 | 86 | 55 | 89 | 48 | 79 | 54 | 69 | 41 | 68 | 54 | 70 | 39 | 81 | 45 | 79 | 45 | 72 | 39 | 82 | 42 |
| 14... | 81 | 50 | 83 | 49 | 90 | 56 | 76 | 46 | 84 | 50 | 80 | 50 | 73 | 48 | 72 | 35 | 80 | 44 | 73 | 40 | 82 | 60 | 80 | 50 | 74 | 34 | 83 | 54 |
| 15... | 78 | 49 | 86 | 48 | 95 | 49 | 87 | 43 | 94 | 53 | 92 | 49 | 85 | 45 | 79 | 39 | 92 | 47 | 73 | 41 | 89 | 52 | 82 | 51 | 82 | 47 | 91 | 50 |
| 16... | 86 | 45 | 79 | 50 | 96 | 55 | 75 | 57 | 90 | 54 | 90 | 57 | 81 | 57 | 68 | 46 | 84 | 60 | 69 | 37 | 94 | 56 | 80 | 54 | 80 | 52 | 96 | 53 |
| 17... | 76 | 42 | 79 | 53 | 89 | 54 | 79 | 56 | 82 | 53 | 80 | 54 | 81 | 50 | 66 | 47 | 86 | 58 | 74 | 40 | 77 | 55 | 71 | 49 | 72 | 50 | 79 | 61 |
| 18... | 81 | 50 | 86 | 48 | 99 | 54 | 86 | 47 | 94 | 55 | 86 | 50 | 92 | 43 | 73 | 48 | 90 | 52 | 76 | 38 | 84 | 45 | 78 | 48 | 82 | 42 | 91 | 44 |
| 19... | 95 | 52 | 91 | 49 | 100 | 46 | 90 | 45 | 99 | 58 | 91 | 50 | 98 | 47 | 79 | 42 | 100 | 54 | 81 | 40 | 93 | 51 | 84 | 55 | 87 | 48 | 96 | 54 |
| 20... | 91 | 50 | 87 | 52 | 99 | 58 | 91 | 47 | 100 | 70 | 89 | 50 | 99 | 47 | 75 | 46 | 103 | 47 | 80 | 42 | 85 | 60 | 80 | 55 | 89 | 52 | 102 | 60 |
| 21... | 94 | 51 | 90 | 52 | 98 | 51 | 83 | 53 | 90 | 65 | 88 | 53 | 75 | 54 | 67 | 46 | 89 | 56 | 80 | 40 | 72 | 49 | 68 | 47 | 86 | 48 | 87 | 60 |
| 22... | 99 | 52 | 86 | 52 | 93 | 57 | 86 | 49 | 90 | 64 | 89 | 56 | 93 | 55 | 69 | 46 | 86 | 58 | 81 | 40 | 71 | 48 | 66 | 46 | 75 | 45 | 78 | 48 |
| 23... | 90 | 55 | 89 | 52 | 96 | 60 | 82 | 46 | 98 | 67 | 88 | 53 | 75 | 49 | 64 | 41 | 78 | 51 | 78 | 39 | 67 | 44 | 65 | 48 | 68 | 40 | 72 | 50 |
| 24... | 91 | 52 | 66 | 54 | 74 | 59 | 77 | 48 | 89 | 59 | 87 | 52 | 80 | 48 | 73 | 37 | 86 | 41 | 79 | 37 | 82 | 49 | 78 | 42 | 80 | 37 | ..... | ..... |
| 25... | 91 | 59 | 75 | 47 | 85 | 50 | 84 | 50 | 86 | 52 | 85 | 50 | 85 | 51 | 79 | 39 | 93 | 50 | 81 | 40 | 91 | 49 | 86 | 50 | 93 | 48 | 92 | 59 |
| 26... | 95 | 55 | 81 | 50 | 93 | 55 | 88 | 47 | 90 | 56 | 92 | 52 | 92 | 48 | 84 | 46 | 100 | 49 | 84 | 53 | 101 | 54 | 96 | 54 | 87 | 50 | 100 | 57 |
| 27... | 98 | 59 | 82 | 49 | 94 | 53 | 91 | 51 | 92 | 60 | 95 | 57 | 94 | 55 | 85 | 48 | 102 | 55 | 88 | 50 | 99 | 66 | 93 | 60 | 94 | 47 | 103 | 67 |
| 28... | 99 | 57 | 84 | 56 | 96 | 58 | 88 | 51 | 94 | 76 | 97 | 63 | 96 | 59 | 77 | 53 | 103 | 51 | 89 | 48 | 92 | 66 | 84 | 62 | 80 | 50 | 102 | 67 |
| 29... | 97 | 50 | 81 | 56 | 94 | 64 | 79 | 61 | 94 | 65 | 75 | 56 | 79 | 55 | 76 | 48 | 83 | 62 | 86 | 52 | 88 | 58 | 83 | 57 | 82 | 50 | 92 | 63 |
| 30... | 98 | 50 | 76 | 54 | 89 | 60 | 86 | 50 | 85 | 60 | 84 | 59 | 82 | 48 | 78 | 50 | 86 | 46 | 84 | 49 | 90 | 56 | 84 | 57 | 83 | 46 | 88 | 60 |
| 31... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mns | 86.1 | 48.9 | 77.5 | 47.9 | 86.0 | 51.4 | 80.9 | 46.6 | 83.2 | 53.5 | 85.4 | 50.0 | 80.0 | 47.2 | 70.9 | 41.1 | 84.8 | 48.3 | 76.4 | 42.4 | 80.3 | 49.8 | 75.9 | 48.1 | 76.4 | 42.6 | 83.2[a] | 49.9[a] |

| Date. | Montana. | | | | North Dakota. | | | | | | | | | | South Dakota. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles City. | | Poplar. | | Berthold Agency. | | Bismarck. | | Dickinson. | | Jamestown. | | Williston. | | Aberdeen.[f][f] | | Chamberlain. | | Huron. | | Kadoka. | | Lemmon. | | Pierre. | | Rapid City. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1... | 76 | 50 | 65 | 40 | 65 | 26 | 62 | 35 | 62 | 43 | 65 | 34 | 58 | 31 | 68 | 38 | 71 | 42 | 69 | 37 | 77 | 56 | ..... | ..... | 75 | 46 | 73 | 46 |
| 2... | 50 | 46 | 52 | 35 | 51 | 32 | 52 | 35 | 53 | 32 | 53 | 27 | 42 | 32 | 63 | 33 | 71 | 41 | 65 | 43 | 71 | 52 | ..... | ..... | 66 | 42 | 61 | 40 |
| 3... | 58 | 40 | 62 | 39 | 54 | 31 | 65 | 41 | 56 | 32 | 56 | 42 | 49 | 37 | 60 | 35 | 60 | 42 | 57 | 47 | 69 | 48 | ..... | ..... | 57 | 46 | 58 | 41 |
| 4... | 70 | 37 | 60 | 37 | 68 | 25 | 63 | 36 | 66 | 30 | 62 | 38 | 66 | 33 | 63 | 42 | 66 | 52 | 61 | 45 | 68 | 50 | ..... | ..... | 64 | 47 | 64 | 42 |
| 5... | 68 | 44 | 72 | 38 | 62 | 37 | 64 | 41 | 60 | 35 | 62 | 41 | 59 | 40 | 67 | 49 | 66 | 45 | 65 | 41 | 71 | 54 | ..... | ..... | 66 | 49 | 69 | 44 |
| 6... | 78 | 48 | 83 | 45 | 73 | 29 | 71 | 35 | 68 | 29 | 63 | 45 | 70 | 33 | 70 | 38 | 70 | 39 | 69 | 37 | 67 | 49 | ..... | ..... | 68 | 41 | 62 | 40 |
| 7... | 90 | 54 | 72 | 51 | 70 | 51 | 62 | 52 | 75 | 48 | 68 | 37 | 75 | 53 | 68 | 40 | 63 | 50 | 65 | 51 | 66 | 54 | ..... | ..... | 64 | 53 | 68 | 51 |
| 8... | 64 | 54 | 74 | 53 | 70 | 54 | 64 | 55 | 66 | 49 | 66 | 49 | 70 | 51 | 63 | 50 | 74 | 54 | 62 | 51 | 70 | 57 | ..... | ..... | 70 | 54 | 74 | 54 |
| 9... | 74 | 54 | 75 | 51 | 60 | 54 | 61 | 53 | 65 | 50 | 68 | 50 | 66 | 51 | 61 | 52 | 75 | 56 | 65 | 53 | 65 | 57 | ..... | ..... | 66 | 51 | 69 | 51 |
| 10... | 81 | 48 | 85 | 48 | 77 | 51 | 76 | 46 | 74 | 42 | 85 | 44 | 77 | 45 | 78 | 50 | 82 | 60 | 76 | 53 | 70 | 56 | ..... | ..... | 75 | 56 | 72 | 47 |
| 11... | 88 | 57 | 88 | 55 | 82 | 48 | 80 | 50 | 68 | 50 | 74 | 45 | 80 | 45 | 80 | 48 | 84 | 62 | 80 | 48 | 80 | 58 | ..... | ..... | 78 | 50 | 79 | 44 |
| 12... | 78 | 60 | 83 | 59 | 88 | 53 | 85 | 53 | 83 | 51 | 85 | 69 | 83 | 52 | 82 | 48 | 85 | 60 | 81 | 48 | 86 | 64 | ..... | ..... | 83 | 58 | 83 | 52 |
| 13... | 72 | 50 | 81 | 52 | 83 | 55 | 88 | 57 | 78 | 54 | 82 | 50 | 76 | 50 | 85 | 50 | 86 | 46 | 82 | 48 | 90 | 65 | ..... | ..... | 85 | 57 | 82 | 55 |
| 14... | 82 | 56 | 88 | 57 | 89 | 59 | 89 | 60 | 85 | 59 | 86 | 52 | 86 | 62 | 85 | 55 | 87 | 61 | 83 | 54 | 91 | 70 | ..... | ..... | 90 | 64 | 89 | 62 |
| 15... | 90 | 57 | 87 | 54 | 89 | 56 | 92 | 60 | 84 | 56 | 89 | 62 | 86 | 53 | 90 | 60 | 95 | 65 | 89 | 63 | 92 | 70 | ..... | ..... | 94 | 68 | 88 | 55 |
| 16... | 90 | 62 | 90 | 55 | 92 | 50 | 93 | 55 | 83 | 55 | 88 | 54 | 91 | 54 | 89 | 60 | 95 | 62 | 90 | 65 | 95 | 76 | ..... | ..... | 95 | 68 | 90 | 64 |
| 17... | 81 | 52 | 80 | 59 | 86 | 61 | 90 | 64 | 77 | 57 | 84 | 62 | 78 | 60 | 89 | 65 | 94 | 66 | 89 | 63 | 86 | 63 | ..... | ..... | 83 | 66 | 83 | 58 |
| 18... | 94 | 52 | 88 | 41 | ..... | 48 | 90 | 57 | 82 | 47 | 85 | 62 | 85 | 49 | 92 | 55 | 93 | 53 | 94 | 55 | 90 | 70 | ..... | ..... | 93 | 55 | 92 | 54 |
| 19... | 96 | 58 | 94 | 56 | 99 | ..... | 96 | 63 | 89 | 60 | 90 | 49 | 92 | 61 | 95 | 59 | 98 | ..... | 94 | 64 | 102 | 81 | ..... | ..... | 100 | 68 | 96 | 56 |
| 20... | 108 | 70 | 108 | 62 | 104 | 45 | 103 | 71 | 97 | 64 | 92 | 68 | 102 | 68 | 97 | 65 | 99 | 78 | 94 | 66 | 102 | 75 | ..... | ..... | 101 | 74 | 98 | 69 |
| 21... | 81 | 65 | 89 | 64 | 95 | 80 | 99 | 71 | 84 | 63 | 92 | 68 | 86 | 58 | 99 | 71 | 99 | 80 | 97 | 69 | 102 | 72 | ..... | ..... | 100 | 75 | 88 | 64 |
| 22... | 94 | 57 | 84 | 49 | 89 | 60 | 89 | 60 | 83 | 60 | 91 | 61 | 84 | 42 | 90 | 67 | 96 | 74 | 93 | 71 | 98 | 74 | ..... | ..... | 92 | 69 | 91 | 63 |
| 23... | 82 | 58 | 91 | 57 | 102 | 65 | 95 | 70 | 93 | 69 | 87 | 65 | 95 | 63 | 95 | 62 | 97 | 82 | 93 | 62 | 97 | 70 | ..... | ..... | 98 | 74 | 93 | 61 |
| 24... | 86 | 52 | 82 | 53 | 84 | 60 | 84 | 64 | 83 | 56 | 82 | 63 | 83 | 57 | 88 | 65 | 94 | ..... | 79 | 64 | 92 | 60 | ..... | ..... | 84 | 64 | 74 | 59 |
| 25... | 94 | 57 | 94 | 48 | 90 | 50 | 87 | 57 | 84 | 50 | 81 | 55 | 89 | 46 | 77 | 63 | 80 | ..... | 76 | 66 | 86 | 58 | ..... | ..... | 78 | 66 | 82 | 59 |
| 26... | 98 | 63 | 100 | 57 | 94 | 59 | 95 | 58 | 91 | 56 | 88 | 49 | 96 | 59 | 89 | 57 | 89 | ..... | 84 | 63 | 86 | 58 | ..... | ..... | 86 | 60 | 89 | 57 |
| 27... | 106 | 74 | 104 | 73 | 97 | 62 | 94 | 64 | 94 | 58 | 88 | 58 | 100 | 69 | 91 | 57 | 90 | ..... | 87 | 59 | 90 | 57 | ..... | ..... | 89 | 63 | 92 | 55 |
| 28... | 105 | 76 | 106 | 73 | 99 | 66 | 94 | 67 | 97 | 62 | 86 | 65 | 100 | 71 | 91 | 59 | 88 | ..... | 86 | 58 | 92 | 73 | ..... | ..... | 91 | 67 | 93 | 67 |
| 29... | 88 | 70 | 89 | 71 | 101 | 71 | 99 | 67 | 94 | 68 | 87 | 62 | 92 | 65 | 94 | 60 | 90 | ..... | 89 | 57 | 85 | 70 | ..... | ..... | 93 | 72 | 93 | 70 |
| 30... | 81 | 64 | 80 | 66 | 85 | 65 | 88 | 68 | 82 | 62 | 88 | 57 | 74 | 62 | 94 | 65 | 92 | 71 | 91 | 60 | 89 | 65 | ..... | ..... | 90 | 72 | 81 | 63 |
| 31... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mns | 83.4 | 56.2 | 83.5 | 53.3 | 82.7[a] | 51.8[a] | 82.3 | 55.5 | 78.9 | 51.6 | 79.1 | 52.8 | 79.7 | 51.7 | 81.4 | 53.9 | 84.3 | 58.3[a] | 80.2 | 55.4 | 84.5 | 62.7 | ..... | ..... | 82.5 | 59.8 | 80.9 | 54.8 |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 6*—Continued.

| Date. | South Dakota. | | | | | | Colorado. | | | | Nebraska. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sioux Falls. | | Watertown. | | Yankton. | | Denver. | | Wray. | | Alma. | | Bridgeport. | | Grand Island.[f] | | Hay Springs. | | Hebron. | | Lincoln. | | North Platte. | | Oakdale. | | Omaha. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1... | 74 | 48 | 68 | 37 | 76 | 46 | 83 | 50 | 79 | 46 | 84 | 45 | 82 | 43 | 75 | 44 | 78 | 45 | 70 | 47 | 77 | 49 | 73 | 45 | 79 | 41 | 77 | 52 |
| 2... | 70 | 42 | 62 | 32 | 65 | 42 | 90 | 58 | 82 | 51 | 76 | 52 | 77 | 45 | 68 | 53 | 68 | 46 | 73 | 55 | 70 | 56 | 72 | 51 | 70 | 47 | 68 | 50 |
| 3... | 73 | 46 | 58 | 45 | 57 | 49 | 59 | 42 | 73 | 48 | 72 | 52 | 57 | 45 | 75 | 48 | 60 | 39 | 65 | 49 | 67 | 51 | 62 | 48 | 63 | 50 | 66 | 54 |
| 4... | 74 | 43 | 61 | 41 | 65 | 46 | 76 | 48 | 75 | 53 | 68 | 57 | 68 | 48 | 60 | 49 | 66 | 44 | 68 | 48 | 69 | 48 | 64 | 50 | 62 | 44 | 65 | 49 |
| 5... | 70 | 40 | 63 | 35 | 74 | 43 | 77 | 48 | 79 | 54 | 76 | 46 | 79 | 45 | 82 | 48 | 74 | 44 | 74 | 47 | 79 | 46 | 76 | 49 | 77 | 37 | 78 | 51 |
| 6... | 76 | 48 | 70 | 35 | 69 | 42 | 79 | 49 | 71 | 55 | 73 | 54 | 63 | 50 | 70 | 50 | 64 | 44 | 69 | 52 | 73 | 53 | 67 | 52 | 72 | 45 | 71 | 55 |
| 7... | 74 | 45 | 69 | 42 | 64 | 50 | 88 | 51 | 77 | 56 | 62 | 53 | 58 | 52 | 64 | 54 | 60 | 48 | 57 | 51 | 61 | 52 | 59 | 50 | 63 | 50 | 63 | 55 |
| 8... | 72 | 54 | 61 | 49 | 66 | 53 | 85 | 50 | 83 | 54 | 68 | 54 | 82 | 52 | 78 | 52 | 74 | 52 | 73 | 54 | 71 | 55 | 72 | 52 | 76 | 53 | 63 | 55 |
| 9... | 73 | 48 | 60 | 52 | 67 | 54 | 74 | 46 | 75 | 52 | 75 | 55 | 72 | 40 | 72 | 53 | 69 | 48 | 70 | 56 | 74 | 58 | 70 | 49 | 67 | 50 | 73 | 58 |
| 10... | 79 | 54 | 76 | 49 | 74 | 54 | 69 | 44 | 70 | 48 | 69 | 56 | 72 | 45 | 72 | 54 | 69 | 42 | 71 | 54 | 75 | 57 | 69 | 48 | 73 | 50 | 74 | 57 |
| 11... | 83 | 50 | 80 | 46 | 79 | 49 | 81 | 44 | 80 | 49 | 78 | 43 | ..... | ..... | 78 | 46 | 77 | 40 | 76 | 49 | 81 | 50 | 74 | 40 | 80 | 42 | 79 | 56 |
| 12... | 85 | 55 | 81 | 50 | 80 | 52 | 81 | 51 | 79 | 52 | 80 | 60 | 80 | 40 | 79 | 54 | 80 | 45 | 77 | 47 | 81 | 52 | 77 | 47 | 82 | 48 | 80 | 57 |
| 13... | 85 | 64 | 82 | 51 | 82 | 52 | 84 | 53 | 80 | 53 | 83 | 45 | 80 | 51 | 81 | 51 | 80 | 48 | 79 | 51 | 83 | 53 | 79 | 50 | 84 | 45 | 83 | 58 |
| 14... | 86 | 60 | 83 | 53 | 82 | 63 | 87 | 51 | 89 | 53 | 86 | 52 | 91 | 54 | 83 | 55 | 80 | 55 | 80 | 55 | 82 | 57 | 84 | 57 | 84 | 53 | 83 | 62 |
| 15... | 84 | 60 | 86 | 59 | 86 | 65 | 92 | 53 | 98 | 59 | 91 | 64 | 104 | 54 | 88 | 61 | 91 | 76 | 85 | 60 | 86 | 63 | 94 | 61 | 89 | 61 | 84 | 65 |
| 16... | 86 | 66 | 90 | 60 | 87 | 67 | 81 | 56 | 94 | 64 | 94 | 64 | 91 | 55 | 90 | 66 | 90 | 54 | 87 | 60 | 90 | 68 | 92 | 62 | 92 | 63 | 89 | 69 |
| 17... | 93 | 63 | 90 | 63 | 93 | 67 | 86 | 56 | 91 | 49 | 97 | 62 | 88 | 51 | 93 | 64 | 85 | 52 | 90 | 61 | 92 | 68 | 92 | 60 | 96 | 65 | 91 | 68 |
| 18... | 96 | 60 | 91 | 55 | 92 | 61 | 93 | 54 | 95 | 61 | 97 | 66 | ..... | ..... | 94 | 63 | 93 | 45 | 91 | 67 | 95 | 68 | 95 | 58 | 97 | 58 | 93 | 72 |
| 19... | 97 | 69 | 89 | 59 | 93 | 67 | 94 | 55 | 96 | 58 | 97 | 70 | 100 | 50 | 95 | 74 | 97 | 58 | 92 | 68 | 94 | 72 | 95 | 65 | 98 | 68 | 94 | 75 |
| 20... | 98 | 72 | 94 | 63 | 94 | 65 | 92 | 57 | 97 | 53 | 96 | 65 | 95 | 60 | 95 | 65 | 94 | 58 | 91 | 68 | 94 | 64 | 94 | 61 | 98 | 61 | 95 | 71 |
| 21... | 96 | 70 | 94 | 65 | 95 | 70 | 92 | 56 | 100 | 53 | 99 | 65 | 98 | 54 | 96 | 69 | 95 | 55 | 92 | 70 | 94 | 73 | 98 | 65 | 98 | 69 | 94 | 76 |
| 22... | 94 | 65 | 94 | 66 | 93 | 70 | 92 | 55 | 96 | 58 | 96 | 70 | 92 | 60 | 94 | 70 | 93 | 57 | 91 | 68 | 92 | 70 | 93 | 67 | 96 | 67 | 93 | 72 |
| 23... | 95 | 64 | 91 | 63 | 92 | 68 | 95 | 58 | 98 | 59 | 97 | 70 | 95 | 75 | 93 | 66 | 94 | 60 | 90 | 67 | 91 | 69 | 97 | 66 | 95 | 62 | 90 | 72 |
| 24... | 96 | 66 | 84 | 65 | 91 | 71 | 71 | 54 | 88 | 57 | 93 | 70 | 79 | 60 | 94 | 69 | 84 | 58 | 91 | 68 | 93 | 71 | 90 | 60 | 92 | 69 | 93 | 73 |
| 25... | 94 | 64 | 79 | 65 | 83 | 67 | 79 | 48 | 80 | 53 | 88 | 67 | 81 | 58 | 84 | 64 | 80 | 54 | 86 | 67 | 89 | 70 | 82 | 61 | 86 | 65 | 91 | 72 |
| 26... | 94 | 68 | 83 | 63 | 84 | 66 | 85 | 55 | 85 | 54 | 88 | 68 | 86 | 52 | 82 | 68 | 86 | 52 | 83 | 64 | 85 | 70 | 84 | 58 | 84 | 65 | 86 | 70 |
| 27... | 96 | 68 | 89 | 56 | 89 | 60 | 89 | 56 | 85 | 64 | 87 | 59 | 87 | 48 | 84 | 64 | 90 | 45 | 83 | 65 | 87 | 67 | 83 | 57 | 90 | 59 | 87 | 70 |
| 28... | 96 | 61 | 89 | 58 | 90 | 59 | 91 | 62 | 90 | 62 | 90 | 59 | 89 | 58 | 84 | 62 | 88 | 55 | 87 | 64 | 90 | 61 | 87 | 59 | 90 | 53 | 91 | 68 |
| 29... | 94 | 64 | 90 | 57 | 91 | 63 | 85 | 56 | 91 | 60 | 90 | 62 | 91 | 60 | 85 | 60 | 88 | 60 | 88 | 56 | 92 | 61 | 87 | 64 | 92 | 55 | 93 | 67 |
| 30... | 94 | 66 | 90 | 58 | 91 | 64 | 81 | 56 | 88 | 63 | 89 | 64 | 80 | 55 | 86 | 61 | 80 | 56 | 87 | 61 | 90 | 68 | 85 | 62 | 93 | 62 | 87 | 72 |
| 31... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mns | 85.9 | 58.1 | 79.9 | 53.1 | 81.5 | 58.2 | 83.7 | 52.4 | 85.5 | 55.3 | 84.6 | 59.1 | 82.8[b] | 52.1[b] | 82.5 | 58.6 | 80.8 | 51.2 | 80.6 | 58.3 | 83.2 | 60.7 | 81.5 | 55.8 | 83.9 | 55.2 | 82.5 | 63.4 |

| Date. | Valentine, Nebr. | | Iowa. | | | | | | Kansas. | | | | | | | | | | Missouri. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Clarinda.[f] | | Sibley.[f] | | Sioux City. | | Colby. | | Concordia. | | Salina. | | Topeka. | | Wakeeney. | | Columbia. | | Kansas City. | | St. Louis. | | Unionville.[f] | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 74 | 41 | 67 | 48 | 72 | 40 | 74 | 46 | 80 | 46 | 73 | 50 | 78 | 50 | 75 | 54 | 76 | 46 | 72 | 50 | 74 | 55 | 73 | 55 | 71 | 46 |
| 2 | 69 | 44 | 57 | 53 | 65 | 41 | 65 | 42 | 83 | 52 | 76 | 56 | 80 | 52 | 76 | 58 | 81 | 52 | 73 | 51 | 71 | 56 | 69 | 54 | 68 | 50 |
| 3 | 51 | 46 | 64 | 50 | 53 | 41 | 56 | 51 | 75 | 51 | 65 | 50 | 61 | 53 | 60 | 53 | 72 | 57 | 54 | 47 | 58 | 50 | 57 | 47 | 58 | 42 |
| 4 | 65 | 48 | 64 | 47 | 60 | 47 | 62 | 49 | 74 | 52 | 70 | 53 | 70 | 62 | 62 | 51 | 73 | 50 | 71 | 51 | 57 | 50 | 68 | 52 | 60 | 47 |
| 5 | 71 | 49 | 77 | 44 | 68 | 33 | 74 | 42 | 77 | 49 | 75 | 51 | 62 | 51 | 77 | 49 | 77 | 48 | 72 | 55 | 74 | 51 | 70 | 57 | 70 | 46 |
| 6 | 60 | 45 | 56 | 52 | 67 | 38 | 69 | 43 | 76 | 54 | 70 | 58 | 75 | 46 | 68 | 57 | 72 | 55 | 69 | 54 | 66 | 51 | 71 | 58 | 75 | 50 |
| 7 | 60 | 47 | 58 | 49 | 69 | 42 | 63 | 50 | 67 | 54 | 59 | 54 | 65 | 56 | 61 | 54 | 66 | 57 | 67 | 52 | 63 | 54 | 68 | 52 | 68 | 44 |
| 8 | 77 | 52 | 59 | 52 | 58 | 46 | 61 | 53 | 77 | 53 | 72 | 56 | 73 | 56 | 63 | 56 | 78 | 56 | 65 | 56 | 61 | 55 | 73 | 60 | 66 | 48 |
| 9 | 61 | 51 | 73 | 53 | 59 | 51 | 66 | 56 | 78 | 52 | 75 | 60 | 76 | 60 | 76 | 60 | 78 | 55 | 70 | 56 | 75 | 59 | 72 | 60 | 70 | 54 |
| 10 | 70 | 51 | 70 | 55 | 73 | 51 | 73 | 54 | 73 | 49 | 72 | 56 | 63 | 57 | 71 | 58 | 72 | 53 | 71 | 56 | 70 | 57 | 70 | 57 | 74 | 56 |
| 11 | 74 | 45 | 80 | 48 | 78 | 48 | 79 | 54 | 75 | 45 | 77 | 54 | 75 | 46 | 78 | 51 | 76 | 45 | 78 | 49 | 78 | 56 | 76 | 55 | 80 | 48 |
| 12 | 79 | 53 | 81 | 49 | 81 | 50 | 81 | 54 | 78 | 46 | 78 | 51 | 80 | 48 | 80 | 57 | 77 | 44 | 80 | 51 | 81 | 59 | 80 | 60 | 81 | 52 |
| 13 | 80 | 53 | 83 | 49 | 82 | 48 | 82 | 52 | 77 | 47 | 80 | 54 | 84 | 51 | 82 | 56 | 77 | 49 | 81 | 56 | 79 | 59 | 81 | 61 | 84 | 55 |
| 14 | 86 | 57 | 85 | 51 | 82 | 51 | 83 | 58 | 86 | 61 | 82 | 62 | 84 | 56 | 82 | 58 | 83 | 50 | 82 | 54 | 81 | 62 | 82 | 62 | 83 | 56 |
| 15 | 92 | 66 | 86 | 53 | 83 | 55 | 84 | 63 | 98 | 62 | 85 | 63 | 86 | 58 | 85 | 57 | 90 | 62 | 85 | 55 | 83 | 65 | 84 | 65 | 84 | 57 |
| 16 | 94 | 63 | 89 | 59 | 87 | 58 | 86 | 67 | 96 | 68 | 89 | 62 | 92 | 63 | 87 | 66 | 93 | 59 | 86 | 60 | 85 | 66 | 87 | 69 | 86 | 60 |
| 17 | 88 | 60 | 91 | 60 | 88 | 63 | 92 | 67 | 94 | 70 | 92 | 63 | 96 | 59 | 92 | 66 | 94 | 66 | 88 | 66 | 90 | 67 | 88 | 68 | 88 | 64 |
| 18 | 95 | 52 | 94 | 64 | 90 | 57 | 94 | 67 | 97 | 49 | 92 | 68 | 94 | 59 | 93 | 68 | 96 | 66 | 88 | 69 | 92 | 69 | 90 | 71 | 94 | 66 |
| 19 | 97 | 65 | 93 | 68 | 93 | 59 | 94 | 68 | 97 | 62 | 93 | 72 | 88 | 58 | 87 | 66 | 95 | 72 | 89 | 68 | 88 | 72 | 89 | 66 | 95 | 72 |
| 20 | 96 | 68 | 95 | 60 | 94 | 63 | 94 | 67 | 98 | 62 | 93 | 69 | 96 | 68 | 94 | 67 | 97 | 61 | 91 | 65 | 92 | 70 | 90 | 69 | 94 | 65 |
| 21 | 96 | 63 | 97 | 59 | 94 | 62 | 94 | 73 | 102 | 59 | 95 | 72 | 97 | 69 | 93 | 72 | 100 | 61 | 89 | 65 | 92 | 73 | 90 | 70 | 94 | 62 |
| 22 | 88 | 63 | 90 | 60 | 93 | 63 | 93 | 70 | 100 | 70 | 92 | 68 | 98 | 69 | 91 | 68 | 97 | 72 | 87 | 68 | 88 | 73 | 89 | 72 | 95 | 64 |
| 23 | 94 | 68 | 85 | 65 | 91 | 65 | 91 | 71 | 100 | 61 | 91 | 67 | 95 | 70 | 90 | 68 | 99 | 64 | 88 | 68 | 87 | 70 | 91 | 74 | 93 | 66 |
| 24 | 79 | 62 | 92 | 64 | 92 | 64 | 92 | 72 | 95 | 64 | 92 | 69 | 92 | 70 | 90 | 70 | 97 | 67 | 90 | 67 | 88 | 70 | 90 | 76 | 94 | 62 |
| 25 | 78 | 62 | 92 | 65 | 87 | 64 | 85 | 70 | 95 | 61 | 90 | 70 | 87 | 66 | 93 | 70 | 88 | 65 | 87 | 66 | 90 | 71 | 91 | 74 | 93 | 64 |
| 26 | 82 | 57 | 85 | 66 | 81 | 64 | 86 | 67 | 89 | 58 | 89 | 70 | 86 | 64 | 89 | 69 | 87 | 63 | 90 | 68 | 88 | 71 | 91 | 74 | 91 | 62 |
| 27 | 85 | 55 | 86 | 65 | 86 | 58 | 86 | 63 | 88 | 53 | 88 | 67 | 84 | 65 | 86 | 70 | 90 | 63 | 83 | 70 | 83 | 69 | 81 | 70 | 90 | 60 |
| 28 | 86 | 60 | 86 | 60 | 90 | 57 | 90 | 62 | 88 | 61 | 78 | 66 | 87 | 65 | 86 | 70 | 90 | 62 | 86 | 65 | 86 | 69 | 86 | 68 | 93 | 58 |
| 29 | 88 | 65 | 94 | 60 | 92 | 60 | 91 | 59 | 87 | 62 | 89 | 57 | 90 | 64 | 90 | 64 | 89 | 64 | 87 | 64 | 90 | 70 | 89 | 69 | 92 | 61 |
| 30 | 83 | 64 | 87 | 62 | 83 | 62 | 87 | 69 | 90 | 64 | 87 | 61 | 93 | 61 | 88 | 66 | 88 | 66 | 87 | 67 | 84 | 73 | 85 | 72 | 97 | 63 |
| 31 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Means | 79.9 | 55.8 | 80.5 | 56.3 | 79.7 | 53.4 | 80.9 | 59.3 | 86.3 | 56.6 | 82.3 | 61.0 | 82.9 | 59.1 | 81.5 | 61.6 | 84.9 | 58.3 | 80.2 | 59.6 | 79.8 | 63.1 | 80.7 | 63.9 | 82.7 | 56.7 |

# Climatological Data for June, 1910.
## DISTRICT No. 7, LOWER MISSISSIPPI VALLEY.

ISAAC M. CLINE, District Editor.

### GENERAL SUMMARY.

Temperature conditions were generally mild at the opening of the month, but on the 2d a warm wave overspread the district giving temperatures of 100°, or higher, in many localities. From the 3d to the 13th moderate temperatures prevailed. On the 14th another period of abnormally high temperature began, which continued until the 24th, during which time the temperatures were above 100° every day in many localities. From the 25th to the close of the month, the temperature conditions were generally moderate.

Precipitation was entirely in the form of rain. The periods of precipitation were not well defined, but, generally speaking, there were two, from the 1st to 12th and from the 19th to 30th. Taken as a whole, the precipitation was well distributed, and sufficient for agricultural needs, except in parts of New Mexico, Kansas, and Oklahoma, where rain was badly needed in many localities at the close of the month. In some localities in the eastern portion of the district, there was too much rain, which materially interfered with outdoor work.

### TEMPERATURE.

Mean temperatures for the month were above the normal generally over Oklahoma and the Colorado, New Mexico, and Texas areas, and at a few stations in Kansas and Louisiana; elsewhere there was a deficiency. The greatest excess in temperature, more than 3°, occurred over the Texas Panhandle; elsewhere the excess was generally less than 2°. Over those portions of the district where the temperature was below normal, the deficiency did not exceed 4°, and was generally less than 2°. The maximum temperature reached, or exceeded, 95° at some stations in all parts of the district, the highest recorded being 111° at Erick, Okla., on the 2d, and at Hereford, Tex., on the 8th. A temperature of 110° was reached at Hoehne, Colo., on the 17th. Except in Mississippi and Louisiana, the lowest temperatures in the several States or parts of States were generally below 50°, and in the mountainous portions of the Colorado and New Mexico areas were generally below 30°. The lowest temperature recorded was 24°, at Elizabethtown, N. Mex., and 25° was recorded at Lake Moraine, Colo.

Monthly mean temperatures and departures from the normal, for the various States and parts of States, are reported as follows: Colorado area, 64.9°, +1.8°; New Mexico area, 69.7°, +0.1°; Texas area, 76.8°, +1.5°; Kansas area, 73.1°, −0.6°; Oklahoma, 76.5°, +0.5°; Missouri area, 70.4°, −2.8°; Tennessee area, 72.9°, −3.5°; Arkansas, 74.1°, −2.5°; Mississippi area, 75.5°, −2.9°; Louisiana, 78.1°. −1.5°.

### PRECIPITATION BY DRAINAGE AREAS.

*Arkansas River and tributaries.*—Over the headwaters of the Arkansas, in Colorado, the precipitation was unevenly distributed and was generally light; the average from 28 stations being 0.78 inch, about half the normal amount. The precipitation was very light over those stretches of the Arkansas proper that lie in Kansas and Oklahoma; the average from 41 stations being 1.62 inch, and the average deficiency about 2.9 inches. More than the normal precipitation occurred at a few stations in the Cimarron Valley, but generally there was a marked deficiency; the average from 21 stations being 2.06 inches, 1.46 inch below the normal. The precipitation was light throughout the Canadian Basin. A few scattered stations in New Mexico reported an excess, but over those stretches of the basin that lie in Texas and Oklahoma the deficiency was general; the average from 62 stations being 1.33 inch, about 1.8 inch below the normal. The precipitation was exceptionally light over the Verdigris Basin; the average from 9 stations being 1.97 inch, about 3.5 inches below the normal. The precipitation was heavy over the headwaters of the Neosho in Missouri, but was generally light throughout that portion of the valley that lies in Kansas, the average from 16 stations being 2.95 inches, about 2.3 inches below the normal. Heavier precipitation occurred generally over that portion of the Arkansas Basin below the Oklahoma-Arkansas line; the average from 16 stations being 5.06 inches, about 0.5 inch above the normal.

*Red River and tributaries.*—Less than the normal amount of precipitation occurred over those stretches of the Red River Basin that lie in New Mexico, Texas, and Oklahoma; the average from 42 stations being 1.53 inch, about 2.3 inches below the normal Over those portions of the basin that lie in Arkansas and Louisiana, the precipitation was generally heavy; the average from 18 stations being 4.91 inches, about 1.1 inch above the normal.

*Mississippi south of St. Louis and small tributaries.*—More than the normal amount of precipitation occurred over this drainage area, except in those parts of the immediate Mississippi Valley that lie in Missouri, northeastern Arkansas, Kentucky, and Tennessee. The heaviest precipitation was reported from central Mississippi, where the amounts exceeded 8 inches at a few stations. In the immediate Mississippi Valley, the average from 44 stations was 4.92 inches, being about 0.6 inch above the normal. The precipitation ranged generally between 4 and 8 inches over the Valley of the Meramec and the average excess amounted to about 1 inch. Heavy precipitation occurred over portions of the White River Basin, but in some localities the amounts were more than 2 inches below the normal; the average from 21 stations being 4.58 inches, which is slightly above the normal. Heavy rains fell over the Yazoo Basin; the average from 26 stations being 5.73 inches, which is about 2.2 inches above the normal. More than the normal amount of precipitation occurred over the Valley of the Big Black, where the average was 6.03 inches, being about 1.6 inch above the normal. Heavy precipitation occurred over the Ouachita Basin, except at a few widely scattered stations; the average from 19 stations being 5.89 inches, about 1 inch above the normal.

*Louisiana coastal plain.*—Unusually heavy precipitation occurred throughout this area. The monthly amounts exceeded 10 inches at 5 stations, and one station reported 15.03 inches, the average from 26 stations being 8.18 inches and the average excess about 2.4 inches.

Monthly precipitation and departures from the normal for the various States are reported as follows: Colorado area, 0.97, −0.48 inch; New Mexico area, 1.21, −0.05; Texas area, 1.56, −1.44; Kansas area, 1.74, −3.00; Oklahoma, 1.48, −2.81; Missouri area, 4.83, +0.07; Tennessee area, 3.64, −0.29; Arkansas, 4.85, −0.43; Mississippi area, 5.81, +2.00; Louisiana, 7.26, +1.99.

### SNOWFALL.

There was no snowfall reported from any of the stations in the district during the month.

### RIVERS.

In Oklahoma the rivers were generally much below the normal stage for June, there being only temporary rises.

Changes in the Red River were generally slight, but a steady fall occurred during the greater part of the month and low stages prevailed generally at the close of the month.

Changes in the upper Arkansas were slight, except that high stages occurred in Colorado during the early part of the month.

At Great Bend, Kans., there was no water in the river during the month. The lower Arkansas was at a fairly good stage during the first and second decades, but the stage was unusually low during the last decade and navigation was practically suspended. The lower White was high during the greater part of the month, but low water continued in the upper portion.

Slight rises and falls occurred in the Ouachita and moderate stages prevailed generally during the month.

Below St. Louis, changes in the Mississippi were slight, but there was a rise at Memphis during the second decade, which passed New Orleans during the third decade, and the water was falling generally at the close of the month.

NOTES.

*Fort Union, N. Mex.*—Heavy rain which fell on the 13th and 14th improved crops and grass on the range. Hail did some damage near Tiptonville on the 14th. Rain is needed.

*Clarendon, Tex.*—Scorching winds on the 2d began at 10:00 a. m.; hot winds prevailed again on the 20th. The winds injured crops.

*Henrietta, Tex.*—Very hot winds prevailed on the 2d.

*Nazareth, Tex.*—Hot winds occurred on the 2d, 7th, 8th, 10th, and 11th. A sand storm occurred on the 1st.

*Plemons, Tex.*—Hot winds prevailed from the 17th to 22d.

*Romero, Tex.*—A sand storm occurred on the 2d.

*Texline, Tex.*—A sand storm occurred on the 2d and 7th.

*Tulia, Tex.*—Hot winds occurred on the 1st, 2d, 5th, 6th, 7th, and 17th. These winds injured wheat 20 per cent and oats 50 per cent.

*Kansas.*—Hot winds occurred on the 18th and 20th in the upper portions of the Arkansas Valley.

*Ellinwood, Kans.*—Exceptionally heavy hail occurred on the 17th. Many of the hailstones were the size of a hen's egg and some were much larger, weighing from 18 to 20 ounces. Their weight carried them through the roofs of houses. No wind accompanied the hail, otherwise the damage would have been great.

*Frederick, Okla.*—Abnormally high temperature and drying winds prevailed during the greater part of the month.

*Guthrie, Okla.*—Rain is badly needed. Springs are drying up.

*Healdton, Okla.*—Dry and hot weather prevailed. Rain is needed badly.

*Hobart, Okla.*—Hot winds, which prevailed from the 16th to 25th, damaged corn to some extent.

*Jefferson, Okla.*—This has been the driest June since 1894.

*Missouri.*—There was too much rain during the early part of the month for outdoor work. Conditions during the latter half of the month were highly favorable for outdoor occupations. Under the influence of the warmth, sunshine, and drier conditions, all growing vegetation made rapid progress. Farmers are well up with their work at the close of the month.

*Granby, Mo.*—Heavy rains on the 27th and 28th caused washouts, which delayed Missouri Pacific trains; creeks overflowed adjacent lowlands, damaging the crops.

*Anguilla, Miss.*—Showers and occasionally heavy rains during the latter part of the month damaged crops, prevented cultivation, and the fields are filled with grass and weeds.

*Clarksdale, Miss.*—A thunderstorm, accompanied by high winds, occurred about 7:30 p. m. on the 9th, and 3.08 inches of rain fell, mostly within one hour. Fields were flooded and cotton damaged. Seven mules belonging to one farmer were killed by lightning.

*Louisville, Miss.*—A storm on the night of the 10th did considerable damage to corn and timber.

*Magnolia, Miss.*—Too much rain occurred during the latter part of the month. The boll weevil is doing considerable damage to cotton.

*New Orleans, La.*—During the passage of a thunderstorm, June 27, 1910, from 3:27 p. m. to 4:45 p. m., several (6 were counted) incipient waterspouts were seen at a distance of about 7 miles north of the station, on Lake Ponchartrain. The funnel-shaped clouds developed in rapid succession, each appearing where the first was observed; they moved toward the northeast and disappeared in a few minutes after their first appearance. None of them reached full development.

TABLE 1.—*Climatological data for June, 1910. District No. 7, Lower Mississippi Valley.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Colorado.* | | | | | | | | | | | | | | | | | | | | |
| Blaine | Baca | 3,935 | 18 | 73.7 | + 2.2 | 104 | 20 | 43 | 12 | 47 | 2.22 | − 0.20 | 1.62 | 0.0 | 3 | 14 | 14 | 2 | sw. | M. M. Myers. |
| Buena Vista | Chaffee | 7,955 | 10 | 55.8 | ..... | 79 | 11 | 32 | 11 | 47 | 0.15 | ..... | 0.15 | 0.0 | 1 | ..... | ..... | ..... | nw. | C. A. Short. |
| Calhan | El Paso | 6,700 | 3 | 64.0 | ..... | 90a | 20 | 38a | 11 | 43a | 0.25 | ..... | 0.11 | 0.0 | 5 | 19 | 10 | 1 | sw. | H. B. Rice. |
| Canon City | Fremont | 5,329 | 22 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Thos. J. Tynan. |
| Colorado Springs | El Paso | 6,098 | 30 | 63.8 | + 0.4 | 89 | 20 | 39 | 11 | 38 | 1.77 | − 0.11 | 1.17 | 0.0 | 5 | 22 | 7 | 1 | ..... | Colorado College. |
| Cripple Creek | Teller | 9,396 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.40 | ..... | 0.52 | 0.0 | 6 | ..... | ..... | ..... | ..... | F. G. Willis. |
| Cuchara Camps | Huerfano | 8,200 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.62 | ..... | 0.47 | 0.0 | 4 | 24 | 6 | 0 | sw. | Geo. A. Mayes. |
| Eads | Kiowa | 4,209 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. H. Lauck. |
| Fairview | Custer | 9,500 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.11 | ..... | 0.06 | 0.0 | 4 | 20 | 10 | 0 | e. | Elizabeth L. Gray. |
| Florence | Fremont | 5,185 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. G. Fish. |
| Garfield | Chaffee | 9,510 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.42 | ..... | 0.31 | 0.0 | 4 | 22 | 7 | 1 | ..... | Lloyd N. Felton. |
| Glen Eyrie | El Paso | 6,500 | 18 | 62.8 | + 1.2 | 94 | 20 | 32 | 11 | 49 | 0.19 | − 1.52 | 0.09 | 0.0 | 6 | 14 | 14 | 2 | ..... | C. Nickell. |
| Hamps | Elbert | 5,400 | 17 | 64.0 | + 1.5 | 90 | 18 | 38 | 12 | 44 | 0.13 | − 1.81 | 0.12 | 0.0 | 2 | 18 | 10 | 2 | s. | W. Hamp. |
| Hermit Lake | Custer | 10,000 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.87 | ..... | 0.23 | 0.0 | 9 | 18 | 10 | 2 | sw. | Jonh E. Graham. |
| Hoehne (near) | Las Animas | 5,700 | 18 | 70.4 | + 4.1 | 110 | 17 | 38 | 10† | 55 | 0.51 | − 0.69 | 0.22 | 0.0 | 4 | 20 | 8 | 2 | w. | S. W. DeBusk. |
| Holly | Prowers | 3,380 | 15 | 72.7 | + 1.3 | 103 | 20 | 40 | 10 | 48 | 0.73 | − 1.60 | 0.28 | 0.0 | 6 | 13 | 15 | 2 | sc. | R. I. Arneson. |
| Lake Moraine | El Paso | 10,265 | 16 | 51.2 | + 1.6 | 73 | 23 | 25 | 10 | 37 | 3.07 | + 0.86 | 1.33 | 0.0 | 9 | 7 | 21 | 2 | sc. | Clyde C. Mc Reynolds. |
| Lamar | Prowers | 3,592 | 20 | 75.2 | + 2.2 | 105 | 21 | 40 | 10 | 50 | 0.54 | − 1.53 | 0.54 | 0.0 | 1 | 24 | 5 | 1 | sc. | J. T. Lawless. |
| Las Animas | Bent | 3,899 | 42 | 74.2 | + 2.0 | 103 | 19† | 42 | 11 | 51 | 0.93 | − 0.41 | 0.93 | 0.0 | 1 | 9 | 11 | 10 | ne. | F. M. Tague. |
| La Veta Pass | Costilla | 9,000 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Norman R. Lively. |
| Leadville | Lake | 10,248 | 14 | 52.2 | + 2.9 | 73 | 19† | 29 | 11 | 41 | 0.64 | − 0.06 | 0.50 | 0.0 | 2 | ..... | ..... | ..... | n. | U. S. Weather Bureau. |
| Limon (near) | Elbert | 5,360 | 3 | 64.2 | ..... | 92 | 20† | 38 | 12 | 47 | 0.04 | ..... | 0.04 | 0.0 | 1 | 26 | 4 | 0 | sc. | John Lesher. |
| Marshall Pass | Saguache | 10,846 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. D. Lillard. |
| North Lake | Las Animas | 8,700 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.07 | ..... | 0.51 | 0.0 | 8 | 20 | 8 | 2 | nw. | James W. Ingmire. |
| Pueblo | Pueblo | 4,734 | 22 | 70.8 | + 1.8 | 97 | 19 | 45 | 11 | 44 | 1.17 | − 0.11 | 0.42 | 0.0 | 5 | 16 | 12 | 2 | sc. | U. S. Weather Bureau. |
| Rockyford (near) | Otero | 4,177 | 21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | P. K. Blinn. |
| St. Elmo | Chaffee | 9,500 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.54 | ..... | 0.51 | 0.0 | 3 | 15 | 13 | 2 | sw. | Daniel Clark. |
| Salida | do | 7,035 | 12 | 61.2 | + 1.0 | 87 | 19 | 35 | 11 | 49 | 0.54 | − 0.38 | 0.27 | 0.0 | 2 | 25 | 4 | 1 | w. | M. D. L. Buell. |
| Santa Clara | Huerfano | 8,250 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Lincoln Morris. |
| Sheridan Lake | Kiowa | 4,065 | 9 | 74.2 | ..... | 103 | 19† | 38 | 11 | 48 | 0.26 | ..... | 0.26 | 0.0 | 1 | 23 | 4 | 3 | sc. | Howard Gamble. |
| Stonewall | Las Animas | 8 000 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.73 | ..... | 0.29 | 0.0 | 5 | 12 | 17 | 1 | ..... | J. W. Shouse. |
| Trinidad | do | 5,994 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.08 | − 2.46 | 0.08 | 0.0 | 1 | 26 | 2 | 2 | ..... | Mrs. Maggie Butler. |
| Victor (near) | Teller | 10,100 | 6 | 59.3 | ..... | 84 | 20 | 35b | 11 | 39b | 1.36 | ..... | 1.16 | 0.0 | 2 | 20 | 10 | 0 | e. | Fred Jones. |
| Vilas | Baca | 3,935 | 19 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.02 | + 3.06 | 2.48 | 0.0 | 3 | 21 | 7 | 2 | nw. | Carrie Konkel. |
| Westcliffe | Custer | 7,864 | 16 | 59.2 | + 1.1 | 88 | 5 | 31 | 10† | 55 | 1.26 | − 0.17 | 0.94 | 0.0 | 6 | 16 | 10 | 4 | sw. | Zack Jordan. |
| Winfield | Chaffee | 9,765 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.87 | ..... | 0.79 | 0.0 | 7 | 4 | 26 | 0 | w. | John G. Payne. |
| Wortman | Lake | 11,250 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.47 | ..... | 0.90 | 0.0 | 3 | 0 | 18 | 12 | nw. | Geo. C. Wortman. |
| *New Mexico.* | | | | | | | | | | | | | | | | | | | | |
| Abbott | Mora | 5,771 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.68 | ..... | 0.38 | 0.0 | 3 | 11 | 17 | 2 | s. | El Paso & Southwest. R. R. |
| Albert | Union | 4,700 | 19 | 75.0 | + 1.5 | 101 | 8 | 48 | 11 | 40 | 2.01 | + 0.09 | 1.85 | 0.0 | 3 | 9 | 21 | 0 | w. | Andrew Knell. |
| Arch (near) | Roosevelt | 4,634 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.61 | ..... | 0.27 | 0.0 | 3 | 17 | 1 | 12 | sc. | Wm. A. Elliott. |
| Aurora | Colfax | 8,849 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.54 | ..... | 0.24 | 0.0 | 6 | 0 | 30 | 0 | nw. | Miss Juanita Lucero. |
| Bell Ranch | San Miguel | 4,500 | 11 | 75.1 | ..... | 104 | 8 | 48 | 5† | 51 | 2.30 | + 0.38 | 1.14 | 0.0 | 7 | 8 | 22 | 0 | sc. | C. M. O'Donel. |
| Black Lake | Colfax | 8,348 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.23 | ..... | 0.20 | 0.0 | 2 | 10 | 19 | 1 | w. | Ralph T. Martinez. |
| Cabeza | San Miguel | 5,406 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.22 | ..... | 0.08 | 0.0 | 4 | 7 | 20 | 3 | sw. | El Paso & Southwest. R. R. |
| Campana | do | 4,493 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.31 | ..... | 1.00 | 0.0 | 4 | 5 | 19 | 6 | w. | Do. |
| Chacon | Mora | 9,000 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.13 | ..... | 0.66 | 0.0 | 5 | 5 | 24 | 1 | w. | Alfredo Lucero. |
| Cimarron (near) | Colfax | 6,385 | 6 | 65.0 | ..... | 90 | 19† | 34 | 11 | 48 | 2.17 | ..... | 1.13 | 0.0 | 8 | 10 | 15 | 5 | e. | Wm. French. |
| Clayton | Union | 5,178 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Dr. W. W. Chilton. |
| Clovis | Curry | ..... | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | A. Mendenhall. |
| Cuervo | Guadalupe | 4,849 | .... | 78.0 | ..... | 104 | 18 | 51 | 11 | 39 | 0.45 | ..... | 0.30 | 0.0 | 7 | 9 | 19 | 2 | s. | El Paso & Southwest. R. R. |
| Dawson | Colfax | 6,396 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.71 | ..... | 0.81 | 0.0 | 5 | 6 | 14 | 10 | ..... | Do. |
| Dorsey (near) | do | 6,000 | 8 | 68.8 | ..... | 94 | 21† | 42 | 11 | 47 | 1.52 | ..... | 0.64 | 0.0 | 5 | 16 | 13 | 1 | e. | Geo. T. Lambert. |
| Elizabethtown | do | 8,465 | 4 | 55.8 | ..... | 83 | 19† | 24 | 11 | 54 | 0.96 | ..... | 0.78 | 0.0 | 2 | 19 | 10 | 1 | w. | Miss Mabel Carrington. |
| Folsom | Union | 6,399 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.49 | − 1.30 | 0.16 | 0.0 | 5 | 12 | 18 | 0 | s. | David Rope. |
| Fort Union | Mora | 6,835 | 50 | 62.8 | − 2.7 | 90 | 8 | 33 | 11 | 46 | 3.40 | + 1.15 | 2.30 | 0.0 | 3 | 22 | 7 | 1 | sw. | M. C. Needham. |
| Hayden | Union | 4,444 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Geo. L. Cook. |
| Johnsons Park | Colfax | 6,722 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.32 | ..... | 0.28 | 0.0 | 2 | 12 | 9 | 9 | sw. | A. J. Meloche, jr. |
| Lake Alice | do | 7,160 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Raton Water Co. |
| Logan | Quay | 3,851 | 4 | 76.4 | ..... | 106b | 8 | 42b | 16 | 55b | 0.42 | ..... | 0.42 | 0.0 | 1 | 24 | 6 | 0 | s. | John B. Reneau. |
| Los Alamos | San Miguel | 6,789 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.00 | ..... | 1.35 | 0.0 | 6 | ..... | ..... | ..... | w. | Wm. Frank, sr. |
| Lykins (near) | Roosevelt | ..... | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.93 | ..... | 0.38 | 0.0 | 5 | 8 | 16 | 6 | sc. | J. G. Buchanan. |
| Maxwell (near) | Colfax | 5,894 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | D. N. Jackson. |
| Melrose | Curry | 4,400 | 2 | 75.3 | ..... | 104 | 8 | 45 | 11 | 48 | 0.45 | ..... | 0.19 | 0.0 | 5 | 20 | 7 | 3 | sw. | Miss Lois E. Porter. |
| Miami Ranch | Colfax | 6,000 | 2 | 67.0 | ..... | 91 | 19 | 39 | 11 | 46 | 0.93 | ..... | 0.35 | 0.0 | 5 | 15 | 14 | 1 | se. | Farmers' Devel. Co. |
| Montoya | Quay | 4,335 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.15 | ..... | 0.09 | 0.0 | 2 | 1 | 29 | 0 | w. | El Paso & Southwest R. R. |
| Nara Visa | do | 4,225 | 4 | 75.7 | ..... | 104b | 19 | 52b | 4† | 46b | 0.12 | ..... | 0.12 | 0.0 | 1 | 13 | 9 | 8 | s. | Willard Belknap. |
| Pasamonte | Union | ..... | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.02 | ..... | 0.77 | 0.0 | 2 | 4 | 8 | 18 | s. | J. J. Heringa. |
| Raton | Colfax | 6,663 | 12 | 67.0 | + 1.7 | 94 | 20 | 39 | 11 | 43 | 0.41 | − 1.34 | 0.20 | 0.0 | 3 | 26 | 4 | 0 | s. | Prof. R. C. Crum. |
| Rociada | San Miguel | 8,200 | 6 | 61.4 | ..... | 88 | 3 | 32 | 11 | 51 | 1.64 | ..... | 0.35 | 0.0 | 10 | 12 | 18 | 0 | w. | Chas. F. Rudolph. |
| Roy | Mora | 5,884 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.46 | ..... | 1.89 | 0.0 | 4 | 3 | 19 | 8 | sw. | El Paso & Southwest R. R. |
| San Jon | Quay | 4,200 | 3 | 77.5 | ..... | 105 | 8 | 46 | 11 | 43 | 1.28 | ..... | 0.46 | 0.0 | 10 | 9 | 15 | 6 | sw. | Jesse T. White. |
| Solano(1) | Mora | 5,622 | 1 | 69.7 | ..... | 99 | 8 | 40 | 11 | 45 | 2.81 | ..... | 1.85 | 0.0 | 8 | 13 | 11 | 6 | s. | F. M. Hughes. |
| Springer | Colfax | 5,857 | 14 | 67.6 | 0.0 | 98 | 29† | 30 | 13† | 55 | 2.10 | + 0.74 | 1.00 | 0.0 | 5 | 21 | 9 | 0 | w. | Atch., Top. & S. Fe |
| Taylor | do | 5,661 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.22 | ..... | 0.30 | 0.0 | 10 | 7 | 11 | 12 | s. | Do. |
| Trementina | San Miguel | 5,000 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.78 | ..... | 0.47 | 0.0 | 4 | 16 | 14 | 0 | s. | Miss Alice Blake. |
| Tucumcari(1) | Quay | 4,194 | 5 | 78.9 | ..... | 105 | 8 | 49 | 11 | 41 | 0.26 | ..... | 0.21 | 0.0 | 3 | 15 | 15 | 0 | sw. | John F. Seaman. |
| Valley | Union | 5,000 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.02 | ..... | 1.02 | 0.0 | 1 | 15 | 15 | 0 | s. | Mrs. M. Letitia Payne. |
| Vermejo Park | Colfax | 7,600 | 6 | 63.2 | ..... | 88 | 7 | 34 | 14 | 53 | 1.78 | ..... | 0.80 | 0.0 | 5 | 8 | 8 | 14 | w. | H. W. Adams. |
| Wagon Mound (near) | Mora | 6,300 | 1 | 65.5 | ..... | 92 | 2 | 36 | 11 | 48 | 2.06 | ..... | 0.87 | 0.0 | 5 | 10 | 16 | 4 | se. | Guy L. Barnes |
| *Texas.* | | | | | | | | | | | | | | | | | | | | |
| Amarillo | Potter | 3,676 | 18 | 75.9 | + 3.9 | 103 | 2 | 50 | 11 | 40 | 0.66 | − 2.33 | 0.31 | 0.0 | 7 | 15 | 15 | 0 | s. | U. S. Weather Bureau. |
| Arthur City | Lamar | 590 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.50 | − 1.94 | 1.10 | 0.0 | 5 | 15 | 7 | 8 | ..... | J. B. Wheeler. |
| Bonham | Fannin | 566 | 7 | 81.0c | ..... | 105c | 2 | 50c | 13† | 50c | 0.04 | ..... | 0.04 | 0.0 | 1 | 9c | 17c | 1c | s. | B. S. Lovelace. |
| Canadian | Hemphill | 2,339 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Canadian Academy. |
| Channing | Hartley | ..... | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. F. Land & Inv. Co. |
| Childress | Childress | 1,889 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.87 | − 0.52 | 0.92 | 0.0 | 3 | 22 | 5 | 3 | se. | W. E. Davis. |
| Chillicothe | Hardeman | 1,406 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.97 | ..... | 1.50 | 0.0 | 4 | ..... | ..... | ..... | ..... | A. B. Connor. |
| Clarendon | Donley | 2,719 | 5 | 77.5 | ..... | 106 | 2 | 48 | 10 | 48 | 1.77 | ..... | 0.78 | 0.0 | 4 | 17 | 12 | 1 | se. | J. B. McClelland. |
| Clarksville | Red River | 442 | 5 | 79.6 | ..... | 103 | 19 | 52 | 14 | 38 | 2.64 | ..... | 0.90 | 0.0 | 6 | 17 | 12 | 1 | ..... | J. W. O'Neill. |
| Claude | Armstrong | 3,397 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.74 | ..... | 1.40 | 0.0 | 4 | ..... | ..... | ..... | ..... | Ft. Worth & Denver Cy. Ry |
| Dalhart ‖ | Dallam | 3,998 | 5 | 72.9 | ..... | 102 | 19 | 45 | 11 | 46 | 2.72 | ..... | 1.55 | 0.0 | 6 | 17 | 9 | 4 | s. | F. L. Kennard. |
| Denison | Grayson | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.35 | ..... | 0.10 | 0.0 | 6 | 18 | 6 | 6 | s. | J. B. Gibson. |
| Finley | Bowie | ..... | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.22 | ..... | 1.91 | 0.0 | 3 | 18 | 9 | 3 | e. | Mrs. M. C. Myers. |
| Henrietta | Clay | 915 | 15 | 79.3 | − 0.1 | 104 | 2 | 51 | 12 | 48 | 3.66 | 0.00 | 1.80 | 0.0 | 4 | 20 | 5 | 5 | s. | C. K. Brown. |
| Hereford | Deaf Smith | 3,750 | 5 | 76.7 | ..... | 111 | 8 | 50 | 4† | 44 | 1.10 | ..... | 0.50 | 0.0 | 4 | 15 | 14 | 1 | sw. | A. C. Elliott. |
| Lewis Ferry | Bowie | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.98 | ..... | 1.50 | 0.0 | 7 | 19 | 7 | 4 | ..... | P. G. Ruff |

TABLE 1.—*Climatological data for June, 1910. District No. 7*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Texas*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Memphis | Hall | 2,067 | 5 | 76.5 | ..... | 108 | 2 | 51 | 6 | 47 | 1.61 | ..... | 1.00 | 0.0 | 4 | 20 | 8 | 2 | ..... | Ft. Worth & Denver Cy. Ry. |
| Miami | Roberts | 2,743 | 4 | 77.6 | ..... | 104 | 2 | 49 | 11 | 44 | 0.98 | ..... | 0.56 | 0.0 | 5 | 18 | 12 | 0 | s. | J. E. Kinney. |
| Mobeetie | Wheeler | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.40 | ..... | 0.40 | 0.0 | 1 | 19 | 11 | 0 | s. | R. A. Choate. |
| Nazareth | Castro | ..... | 4 | 75.4 | ..... | 105 | 8 | 45 | 14 | 45 | 1.72 | ..... | 0.92 | 0.0 | 4 | 26 | 0 | 4 | s. | Rev. P. A. Kaelin. |
| Ochiltree | Ochiltree | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.57 | ..... | 0.21 | 0.0 | 5 | ..... | ..... | ..... | ..... | S. J. Allen. |
| Pampa | Gray | 3 226 | 1 | 75.8 | ..... | 108 | 2 | 43 | 10 | 45 | 1.20 | ..... | 0.95 | 0.0 | 2 | ..... | ..... | ..... | ..... | B. E. Finley. |
| Paris | Lamar | 592 | 21 | 78.2 | + 2.9 | 101 | 2 | 56 | 13 | 39 | 0.98 | − 2.53 | 0.68 | 0.0 | 5 | 18 | 3 | 9 | s. | Robert A. Miller. |
| Plemons | Hutchinson | ..... | 3 | 74.5 | ..... | 104 | 2 | 42 | 11 | 47 | 0.37 | ..... | 0.32 | 0.0 | 3 | 15 | 9 | 6 | se. | C. S. Solomon. |
| Quanah | Hardeman | 1,563 | 5 | 81.0 | ..... | 107 | 2 | 55 | 11† | 44 | 0.40 | ..... | 0.40 | 0.0 | 1 | 22 | 3 | 5 | s. | Wm. H. Crawford. |
| Ringo Crossing | Hopkins | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.28 | ..... | 0.87 | 0.0 | 5 | 19 | 2 | 9 | s. | H. J. Palmer. |
| Romero | Hartley | ..... | ..... | 75.1 | ..... | 103 | 19 | 45 | 11 | 50 | 1.66 | ..... | 0.68 | 0.0 | 4 | 12 | 15 | 3 | s. | R. S. Chamberlain. |
| Sherman | Grayson | 743 | 17 | 80.0 | + 0.5 | 97 | 19 | 59 | 15 | 29 | 0.44 | − 3.08 | 0.20 | 0.0 | 3 | 18 | 10 | 2 | s. | R. A. Gibbs. |
| Sulphur Springs | Hopkins | 530 | 18 | 78.0[d] | + 0.4 | 100[d] | 2 | 58[e] | 13† | 30[d] | 3.38 | + 0.03 | 1.95 | 0.0 | 3 | 13[e] | 10[e] | 4[e] | ..... | O. M. Pate. |
| Texline | Dallam | 4,694 | 5 | ..... | ..... | ..... | ..... | 50 | 14 | ..... | 1.03 | ..... | 0.36 | 0.0 | 3 | 24 | 2 | 4 | s. | Ft. Worth & Denver Cy. Ry. |
| Tulia | Swisher | 3,501 | 12 | 77.1 | ..... | 100 | 8 | 48 | 10 | 49 | 1.25 | ..... | 0.56 | 0.0 | 5 | 4 | 26 | 0 | s. | Lou Mulhall. |
| Wichita Falls | Wichita | 958 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | John Gould. |
| Winfield | Titus | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.23 | ..... | 1.60 | 0.0 | 6 | 11 | 18 | 1 | se. | J. C. Bostick. |
| *Kansas.* | | | | | | | | | | | | | | | | | | | | |
| Anthony | Harper | 1,329 | 13 | 75.2 | ..... | 103 | 22 | 47 | 12 | 36 | 0.70 | − 3.66 | 0.65 | 0.0 | 4 | 16 | 10 | 4 | se. | R. H. Beebe. |
| Ashland | Clark | 1,951 | 22 | 74.6 | − 0.6 | 105 | 23 | 40 | 13 | 52 | 1.42 | − 2.18 | 0.90 | 0.0 | 6 | 14 | 15 | 1 | se. | C. W. Carson. |
| Burlington | Coffey | 1,010 | 17 | 72.6 | − 0.7 | 97 | 18† | 48 | 11† | 45 | 2.44 | − 4.02 | 0.67 | 0.0 | 7 | 8 | 18 | 4 | se. | O. E. Sanford. |
| Chanute | Neosho | 940 | 6 | 71.2 | ..... | 94[e] | 25 | 50 | 11† | 29[e] | 2.95 | ..... | 0.92 | 0.0 | 8 | 16 | 8 | 6 | se. | Chase W. Brown. |
| Cimarron | Gray | 2,700 | 4 | 72.0 | ..... | 102 | 18 | 40 | 9 | 46 | 1.42 | ..... | 0.50 | 0.0 | 5 | 8 | 20 | 2 | se. | Fred Mallonee. |
| Coldwater | Comanche | 2,090 | 13 | 74.2 | − 0.4 | 101 | 22 | 44 | 11 | 36 | 1.44 | − 2.31 | 0.60 | 0.0 | 6 | 19 | 8 | 3 | se. | J. L. Stanley. |
| Columbus | Cherokee | 898 | 20 | 72.8 | − 1.3 | 93 | 20† | 51 | 11 | 30 | 2.41 | − 3.89 | 0.69 | 0.0 | 11 | 17 | 10 | 3 | se. | O. E. Skinner. |
| Coolidge | Hamilton | 3,346 | 13 | 71.7 | − 0.4 | 100 | 19† | 39 | 11 | 44 | 1.25 | − 1.22 | 1.00 | 0.0 | 5 | 15 | 14 | 1 | se. | W. R. Padley. |
| Cottonwood Falls | Chase | 1,234 | 6 | 70.9 | ..... | 94 | 18† | 46 | 5† | 34 | 2.09 | ..... | 0.92 | 0.0 | 11 | 16 | 9 | 5 | s. | E. B. Greene. |
| Council Grove | Morris | 1,191 | 1 | 69.6 | ..... | 94 | 21 | 45 | 5† | 38 | 0.98 | ..... | 0.50 | 0.0 | 4 | 16 | 8 | 6 | s. | Jas. Sharpe. |
| Cunningham | Kingman | 1,680 | 26 | 74.5 | − 0.2 | 101 | 21 | 45[e] | 11 | 39[e] | 0.35 | − 3.65 | 0.30 | 0.0 | 2 | 10 | 16 | 4 | se. | W. H. Morton. |
| Dodge City | Ford | 2,513 | 36 | 72.2 | − 1.1 | 98 | 21 | 45 | 11 | 38 | 2.27 | − 1.05 | 1.22 | 0.0 | 6 | 12 | 14 | 4 | se. | U. S. Weather Bureau. |
| El Dorado | Butler | 1,291 | 8 | 72.0 | ..... | 93 | 21 | 48 | 11† | 30 | 3.46 | ..... | 1.50 | 0.0 | 7 | 19 | 9 | 2 | s. | W. Y. Miller. |
| Ellinwood | Barton | 1,788 | 35 | 73.4 | + 0.5 | 100 | 21 | 44 | 11 | 45 | 0.66 | − 3.77 | 0.15 | 0.0 | 8 | 3 | 24 | 3 | se. | Martin Musil. |
| Emporia | Lyon | 1,138 | 29 | 69.8 | − 4.2 | 95 | 18† | 45 | 5† | 33 | 1.36 | − 3.73 | 0.33 | 0.0 | 7 | 15 | 8 | 7 | s. | W. H. Boyles. |
| Eureka | Greenwood | 1,093 | 14 | 71.6 | ..... | 95 | 18† | 48 | 5† | 35 | 0.85 | − 4.35 | 0.45 | 0.0 | 7 | 19 | 6 | 5 | s. | T. C. Peffer. |
| Fall River | ....do | 925 | 14 | 72.4 | − 0.7 | 97 | 23 | 48 | 11† | 35 | 1.24 | − 4.17 | 0.45 | 0.0 | 8 | 18 | 9 | 3 | se. | J. McDaniel. |
| Fargo | Seward | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.57 | ..... | 1.57 | 0.0 | 1 | 18 | 5 | 7 | se. | Frank Swink. |
| Fredonia | Wilson | 864 | 7 | 72.7 | ..... | 94 | 21 | 49 | 11 | 31 | 3.09 | ..... | 1.75 | 0.0 | 12 | 16 | 9 | 5 | se. | B. W. Holmes. |
| Garden City | Finney | 2,836 | 21 | 74.0 | + 0.8 | 103 | 21 | 43 | 11 | 46 | 2.19 | − 1.32 | 0.90 | 0.0 | 7 | 16 | 12 | 2 | s. | B. F. Stocks. |
| Great Bend | Barton | 1,850 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.16 | ..... | 0.42 | 0.0 | 8 | 18 | 4 | 8 | se. | J. A. Pritchard. |
| Greensburg | Kiowa | 2,235 | 3 | 72.1 | ..... | 99 | 21 | 42 | 6† | 35 | 1.62 | ..... | 1.56 | 0.0 | 2 | 23 | 4 | 3 | s. | C. C. Raymond. |
| Grenola | Elk | 1,116 | 23 | 71.8 | − 1.9 | 94 | 21† | 48 | 11 | 35 | 2.08 | − 3.01 | 0.91 | 0.0 | 5 | 17 | 9 | 4 | s. | R. M. Lawyer. |
| Howard § | ....do | 1,112 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. W. Eby. |
| Hugoton | Stevens | ..... | 6 | 76.8 | ..... | 108 | 20 | 41 | 11 | 51 | 3.88 | ..... | 3.16 | 0.0 | 3 | 8 | 18 | 4 | se. | E. M. Anderson. |
| Hutchinson | Reno | 1,535 | 20 | 73.1 | − 0.3 | 101 | 21 | 44 | 12 | 36 | 0.89 | − 4.00 | 0.25 | 0.0 | 6 | 17 | 6 | 7 | se. | E. S. Webster. |
| Independence | Montgomery | 816 | 37 | 73.3 | − 2.3 | 95 | 21† | 51 | 11† | 32 | 2.96 | − 2.28 | 0.82 | 0.0 | 11 | 15 | 8 | 7 | se. | F. L. Kenoyer. |
| Iola | Allen | 984 | 4 | 71.8 | − 1.6 | 94 | 21 | 50 | 12 | 30 | 1.62 | − 3.11 | 0.51 | 0.0 | 10 | 15 | 10 | 5 | se. | U. S. Weather Bureau. |
| Jetmore | Hodgeman | 2,268 | 9 | 72.2 | ..... | 100 | 21 | 42 | 11 | 38 | 1.74 | ..... | 1.50 | 0.0 | 5 | 7 | 18 | 5 | se. | James Aiken. |
| Kingman | Kingman | 1,504 | 2 | 75.0 | ..... | 102 | 21 | 49 | 11† | 36 | 1.91 | ..... | 1.44 | 0.0 | 4 | 13 | 14 | 3 | sw. | B. B. Anawalt. |
| La Crosse | Rush | 2,061 | 8 | 72.1 | ..... | 99 | 21 | 40 | 11 | 37 | 0.98 | ..... | 0.42 | 0.0 | 5 | 22 | 5 | 3 | se. | Rodney Torrey. |
| Lakin | Kearney | 2,993 | 20 | 73.7 | + 1.8 | 107 | 19† | 40 | 11 | 50 | 1.53 | − 1.03 | 0.52 | 0.0 | 5 | 17 | 12 | 1 | se. | C. H. Longstreth. |
| Larned | Pawnee | 2,090 | 25 | 74.3 | ..... | 102[b] | 21 | 43[b] | 11 | 46[b] | 1.44 | − 2.60 | 0.41 | 0.0 | 8 | 15 | 6 | 5 | se. | H. H. Wolcott. |
| Lebo | Coffey | 1,138 | 24 | 70.8 | − 2.8 | 95 | 18 | 49 | 5 | 28 | 3.84 | − 1.98 | 2.45 | 0.0 | 9 | 17 | 8 | 5 | s. | J. J. Bowman. |
| Le Roy | ....do | 990 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.32 | ..... | 0.96 | 0.0 | 9 | 16 | 1 | 13 | s. | F. W. Schmitt. |
| Liberal | Seward | 2,843 | 3 | 76.2 | ..... | 106 | 18 | 45 | 5 | 49 | 1.39 | ..... | 0.80 | 0.0 | 4 | 15 | 7 | 8 | se. | Dr. R. T. Nichols. |
| Mc Pherson | Mc Pherson | 1,495 | 21 | 72.6 | − 0.9 | 97 | 17† | 45 | 11 | 36 | 1.58 | − 4.23 | 1.34 | 0.0 | 5 | 20 | 1 | 9 | se. | Mrs. Nelia Poling. |
| Macksville | Stafford | 2,032 | 21 | 73.0 | + 0.5 | 99 | 21 | 42 | 11 | 34 | 0.91 | − 3.17 | 0.30 | 0.0 | 6 | 10 | 10 | 10 | se. | Ed. F. Haberlein. |
| Madison | Greenwood | 1,074 | 9 | 71.2 | ..... | 96 | 18† | 45 | 12 | 37 | 1.28 | − 4.38 | 0.58 | 0.0 | 7 | 13 | 13 | 4 | se. | C. A. David. |
| Marion | Marion | 1,310 | 17 | 73.2 | − 0.4 | 95 | 21 | 45 | 5† | 36 | 1.32 | − 4.11 | 0.96 | 0.0 | 9 | 9 | 18 | 3 | s. | D. D. McIntosh. |
| Medicine Lodge | Barber | 1,475 | 17 | 74.6 | − 0.9 | 102 | 21† | 44 | 12 | 36 | 0.94 | − 3.11 | 0.94 | 0.0 | 1 | 19 | 8 | 3 | s. | S. P. Garrison. |
| Medora | Reno | 1,484 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.85 | ..... | 0.28 | 0.0 | 5 | 16 | 6 | 8 | s. | M. L. Richenbrode. |
| Mount Hope | Sedgwick | 1,410 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.02 | − 3.25 | 1.00 | 0.0 | 5 | 18 | 6 | 6 | s. | H. N. Renfrew. |
| Neosho Rapids | Lyon | 1,092 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Susan P. Whipple. |
| Ness City | Ness | 2,260 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.99 | − 2.31 | 0.40 | 0.0 | 0 | 6 | ..... | ..... | ..... | J. K. Barnd. |
| Newton | Harvey | 1,454 | 13 | ..... | ..... | 98 | 21 | ..... | ..... | ..... | 1.87 | − 3.15 | 0.86 | 0.0 | 5 | 19 | 7 | 4 | s. | C. F. Walden. |
| Norwich | Kingman | 1,496 | 14 | 76.1 | + 1.9 | 101 | 21† | 48 | 11 | 32 | 1.89 | − 2.41 | 1.33 | 0.0 | 6 | 10 | 17 | 3 | se. | N. I. Farris. |
| Oswego | Labette | 899 | 16 | 73.3 | − 1.9 | 94 | 21 | 52 | 12 | 28 | 1.78 | − 3.86 | 0.58 | 0.0 | 14 | 12 | 13 | 5 | se. | Jos. M. Currigan. |
| Pratt | Pratt | 1,950 | 15 | 74.0 | − 0.4 | 100 | 21 | 45 | 11 | 34 | 0.20 | − 3.11 | 0.20 | 0.0 | 1 | 17 | 8 | 5 | ..... | E. H. Ellsworth. |
| Rome | Sumner | 1,218 | 24 | 74.6 | + 0.3 | 101 | 22 | 46 | 12 | 38 | 1.06 | − 3.32 | 0.49 | 0.0 | 5 | 21 | 4 | 5 | s. | D. M. Adams. |
| Sedan | Chautauqua | 834 | 25 | 73.2 | − 1.7 | 97 | 21 | 48 | 12 | 36 | 2.62 | − 2.52 | 0.90 | 0.0 | 8 | 15 | 7 | 8 | s. | A. Y. Buckles. |
| Toronto | Woodson | 1,040 | 13 | 72.0 | − 1.6 | 96 | 20 | 48 | 12 | 35 | 1.72 | − 3.62 | 0.95 | 0.0 | 5 | 18 | 3 | 9 | s. | M. A. Webb. |
| Ulysses | Grand | 3,027 | 19 | 77.0[e] | + 3.8 | 105[d] | 18† | 42[f] | 11 | 45[f] | 2.89 | − 0.19 | 0.70 | 0.0 | 5 | 6 | 19 | 1 | sw. | T. W. Marshall. |
| Walnut | Crawford | 940 | 8 | 71.9 | ..... | 95 | 21 | 53 | 5 | 30 | 2.66 | ..... | 0.76 | 0.0 | 8 | 16 | 10 | 4 | sw. | R. C. Harlan. |
| Wichita | Sedgwick | 1,377 | 23 | 73.3 | − 1.0 | 95 | 18 | 50 | 11 | 30 | 1.94 | − 2.81 | 1.20 | 0.0 | 7 | 10 | 17 | 3 | se. | U. S. Weather Bureau. |
| Winfield | Cowley | 1,124 | 16 | 74.6 | + 0.1 | 98 | 22 | 48 | 11† | 36 | 1.92 | − 3.86 | 1.05 | 0.0 | 5 | 23 | 2 | 5 | s. | M. B. Light. |
| Yates Center | Woodson | 1 068 | 31 | 72.1 | − 1.0 | 95[b] | 21 | 49[b] | 11 | 32[b] | 1.90 | − 3.35 | 0.57 | 0.0 | 10 | 12 | 13 | 3 | se. | J. W. Tipton. |
| *Oklahoma.* | | | | | | | | | | | | | | | | | | | | |
| Ada | Pontotoc | 1,001 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Dr. J. P. McKinley. |
| Alva | Woods | 1,350 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | L. W. Sandefur. |
| Apache | Caddo | 1,255 | 1 | 78.0 | ..... | 107 | 2 | 45 | 12 | 51 | 1.28 | ..... | 0.83 | 0.0 | 5 | 20 | 10 | 0 | sw. | G. D. Teeter. |
| Arapaho | Custer | 1,575 | 17 | 77.1 | ..... | 103 | 22 | 49 | 12 | 38 | 3.00 | ..... | 1.78 | 0.0 | 4 | 20 | 8 | 2 | s. | Geo. E. Marsh. |
| Ardmore | Carter | 872 | 9 | 79.4 | + 1.9 | 106 | 2 | 52 | 12 | 43 | 0.08 | − 3.49 | 0.05 | 0.0 | 2 | 14 | 12 | 4 | s. | H. T. Nisbett. |
| Bartlesville | Washington | 687 | 4 | 75.8 | ..... | 98 | 21 | 55 | 13† | 30 | 1.70 | ..... | 0.42 | 0.0 | 7 | 15 | 12 | 3 | se. | Dr. A. P. Owens. |
| Beaver | Beaver | 2,500 | 14 | 77.3 | + 2.5 | 106 | 18† | 47 | 11 | 44 | 1.37 | − 1.76 | 0.75 | 0.0 | 4 | 13 | 14 | 3 | s. | W. C. Fraser. |
| Blackburn | Pawnee | 800 | 6 | 75.6 | ..... | 98 | 21 | 48 | 12 | 42 | 2.75 | ..... | 1.54 | 0.0 | 6 | 24 | 4 | 2 | se. | J. Landis. |
| Cache | Comanche | 1,350 | 5 | 75.8 | ..... | 104 | 2 | 39 | 12 | 40 | 0.52 | ..... | 0.22 | 0.0 | 3 | 19 | 9 | 2 | se. | Frank Rush. |
| Calvin | Hughes | 713 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.92 | ..... | 1.30 | 0.0 | 4 | 19 | 0 | 11 | s. | Thomas Purcell. |
| Chandler | Lincoln | 865 | 6 | 76.2 | − 0.3 | 101 | 22 | 47 | 12 | 43 | 1.15 | − 2.83 | 0.55 | 0.0 | 4 | 23 | 1 | 6 | e. | Chas. L. Tuttle. |
| Chattanooga | Comanche | 1,150 | 5 | 75.4 | ..... | 102 | 22 | 52 | 12† | 45 | 1.92 | ..... | 0.75 | 0.0 | 5 | 18 | 10 | 2 | se. | Squire Humble. |
| Chickasha | Grady | 1,091 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. C. Good. |
| Cloud Chief | Washita | 1,400 | 10 | 79.6 | ..... | 100 | 2 | 47 | 12 | 46 | 1.74 | ..... | 1.11 | 0.0 | 4 | 15 | 13 | 2 | se. | J. P. Stutsman. |
| Dacoma | Woods | 1,337 | 13 | 73.1 | − 2.1 | 100 | 22 | 42 | 12 | 42 | 1.60 | − 3.55 | 1.60 | 0.0 | 1 | 10 | 18 | 2 | se. | R. H. Bruce. |
| Durant | Bryan | 643 | 10 | 78.2 | ..... | 106 | 2 | 52 | 14 | 48 | 0.32 | ..... | 0.21 | 0.0 | 6 | 20 | 4 | 6 | s. | Nelson Houk. |
| Eldorado | Jackson | 1,456 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | T. W. Lanham. |
| El Reno | Canadian | 1,400 | 19 | ..... | ..... | 103 | 19 | ..... | ..... | ..... | 2.52 | − 1.43 | 1.10 | 0.0 | 5 | 12 | 14 | 4 | s. | Pearl Maddox. |
| Enid | Garfield | 1,269 | 11 | 77.2 | ..... | 106 | 21 | 48 | 12 | 39 | 1.12 | ..... | 0.37 | 0.0 | 4 | 26 | 3 | 1 | s. | Uri. B. Worcester. |
| Erick | Beckham | 2,058 | 7 | 77.6 | ..... | 111 | 2 | 48 | 11 | 56 | 1.32 | ..... | 0.61 | 0.0 | 3 | 13 | 13 | 4 | s. | A. W. Hanes. |
| Fairland | Ottawa | 839 | 11 | 74.1 | + 0.1 | 95 | 20† | 53 | 11† | 31 | 4.30 | − 2.24 | 1.05 | 0.0 | 10 | 13 | 12 | 5 | s. | C. W. Pryor. |

TABLE 1.—*Climatological data for June, 1910. District No. 7*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | |
| *Oklahoma*—Cont'd. | | | | | | | | | | | | | | | | | | | |
| Fort Gibson | Muskogee | 556 | 6 | | | | | | | | 2.03 | | 0.82 | 0.0 | 9 | 18 | 2 | 10 | s. | John T. Welsh. |
| Frederick | Tillman | 1,293 | 7 | 76.0 | | 108 | 2 | 49 | 12 | 50 | 2.02 | | 1.28 | 0.0 | 6 | 12 | 13 | 5 | se. | B. B. Bradley. |
| Gage | Ellis | 2,136 | 8 | 75.4 | | 103 | 22 | 46 | 11 | 45 | 1.63 | | 0.75 | 0.0 | 5 | 19 | 11 | 0 | s. | C. H. Holmes. |
| Goodwell | Texas | 3,300 | .... | 76.2 | | 105 | 2 | 45 | 11 | 48 | 0.26 | | 0.12 | 0.0 | 5 | 4 | 25 | 1 | s. | S. W. Black. |
| Gutbrie | Logan | 1,000 | 8 | 78.0 | | 105 | 22 | 45 | 12 | 43 | 0.35 | | 0.20 | 0.0 | 3 | .... | .... | .... | .... | G. W. Derrick. |
| Guymon | Texas | 3,133 | 1 | | | | | | | | 1.45 | | 0.57 | 0.0 | 4 | | | | s. | A. L. Mordt. |
| Harrington | Roger Mills | 2,200 | 7 | 75.9 | | 104 | 8 | 53 | 2† | 49 | 0.40 | | 0.25 | 0.0 | 2 | 14 | 12 | 4 | sw. | T. Compton. |
| Hartshorne | Pittsburg | 700 | 12 | 77.4 | − 0.6 | 98 | 21† | 50 | 12 | 32 | 3.28 | − 1.63 | 1.20 | 0.0 | 6 | 8 | 14 | 8 | s. | Edward Glendenning. |
| Healdton | Carter | 900 | 17 | 76.2 | − 1.7 | 105 | 2 | 45 | 12 | 48 | 0.84 | − 2.37 | 0.48 | 0.0 | 4 | 16 | 14 | 0 | s. | C. H. Heald. |
| Helena | Alfalfa | 1,396 | 3 | 75.4 | | 100 | 21† | 48 | 11 | 33 | 1.55 | | 0.92 | 0.0 | 5 | 19 | 10 | 1 | s. | Frank Horsfall. |
| Hennessey | Kingfisher | 1,166 | 16 | 76.0 | + 1.2 | 103 | 22 | 48[a] | 7 | 39 | 1.67 | − 2.09 | 0.82 | 0.0 | 3 | 5 | 24 | 1 | s. | W. W. Parks. |
| Hobart | Kiowa | 1,396 | 7 | 81.1 | | 110 | 22 | 49 | 12 | 50 | 0.95 | | 0.86 | 0.0 | 3 | 12 | 18 | 0 | s. | Roy Benedict. |
| Holdenville | Hughes | 900 | 10 | 76.1 | + 0.6 | 99 | 19 | 48 | 12 | 38 | 0.44 | − 3.92 | 0.25 | 0.0 | 5 | 24 | 5 | 1 | s. | Miss M. Rutherford. |
| Hooker | Texas | 2,999 | 5 | 76.0 | | 106 | 18 | 44 | 11 | 47 | 1.03 | | 0.82 | 0.0 | 6 | 11 | 0 | 19 | s. | H. N. Kelley. |
| Hurley | Cimarron | 3,600 | 2 | 74.7 | | 104 | 20 | 40 | 10 | 45 | T. | | T. | 0.0 | 0 | 9 | 20 | 1 | sw. | C. W. Meyers. |
| Idabel | McCurtain | 474 | 3 | | | | | | | | | | | | | | | | | M. L. Henderson. |
| Jefferson | Grant | 1,062 | 17 | 76.5 | + 0.2 | 105 | 22 | 46 | 12 | 37 | 1.29 | − 3.36 | 0.98 | 0.0 | 4 | 21 | 9 | 0 | se. | T. E. Beck. |
| Kenton | Cimarron | 4,000 | 11 | 73.8 | + 2.4 | 100 | 19† | 42 | 11 | 45 | 0.68 | − 1.36 | 0.29 | 0.0 | 6 | 16 | 10 | 4 | s. | L. A. Wikoff. |
| Kingfisher | Kingfisher | 1,046 | 13 | 77.7 | + 1.1 | 104 | 22 | 47 | 12 | 41 | 2.42 | − 2.48 | 1.80 | 0.0 | 4 | 14 | 14 | 2 | s. | J. C. Cross. |
| McAlester | Pittsburg | 698 | 18 | 77.8 | | 101 | 21 | 50 | 12 | 35 | 1.88 | − 3.76 | 0.72 | 0.0 | 6 | 19 | 7 | 4 | s. | Wm. Noble. |
| McComb | Pottawatomie | 1,200 | 16 | 76.8 | + 0.7 | 101 | 2 | 49 | 12† | 43 | 1.04 | − 2.37 | 0.74 | 0.0 | 2 | 11 | 19 | 0 | se. | Jas. E. McNair. |
| Mangum | Greer | 1,585 | 18 | 78.4 | + 1.3 | 105[b] | 22 | 50 | 12 | 45 | 0.12 | − 4.52 | 0.08 | 0.0 | 3 | .... | .... | .... | .... | M. J. Northcuff. |
| Marlow | Stephens | 1,292 | 10 | | | | | | | | | | | | | | | | | W. B. Anthony. |
| Meeker | Lincoln | 1,030 | 17 | 77.2 | + 0.6 | 102 | 2 | 45 | 11† | 37 | 0.45 | − 3.58 | 0.30 | 0.0 | 2 | 22 | 7 | 1 | s. | Dr. J. B. Baugh. |
| Muskogee | Muskogee | 614 | 12 | 75.8 | + 0.4 | 99 | 21 | 52 | 11† | 37 | 1.53 | − 2.64 | 0.54 | 0.0 | 5 | 18 | 9 | 3 | s. | Prof. E. N. Collette. |
| Mutual | Woodward | ..... | 4 | 75.1 | | 104 | 22 | 44 | 2 | 46 | 1.00 | | 0.38 | 0.0 | 4 | 19 | 6 | 5 | s. | Thos. Martin. |
| Neola | Caddo | 1,500 | 5 | 78.2 | | 108 | 2 | 47 | 12 | 56 | 0.88 | | 0.48 | 0.0 | 5 | 11 | 17 | 2 | s. | R. N. Schooling. |
| Newkirk | Kay | 1,149 | 14 | 77.8 | + 2.2 | 104 | 18† | 50 | 11 | 34 | 1.82 | − 3.61 | 0.51 | 0.0 | 6 | 20 | 9 | 1 | s. | P. H. Albright & Co. |
| Norman | Cleveland | 1,171 | 17 | | | | | | | | | | | | | | | | | Walter H. Meier. |
| Oakwood | Dewey | 1,854 | .... | 74.5 | | 99 | 8† | 51 | 5† | 36 | 2.84 | | 2.71 | 0.0 | 3 | 23 | 6 | 1 | s. | Dr. F. P. Osborn. |
| Okeene | Blaine | 1,194 | 7 | 76.0 | | 101[a] | 21† | 49[a] | 12 | 36 | 2.38 | | 1.85 | 0.0 | 4 | 25 | 4 | 1 | s. | Dr. L. H. Murdoch. |
| Oklahoma | Oklahoma | 1,247 | 21 | 76.2 | + 0.5 | 97 | 2 | 53 | 12 | 40 | 1.09 | − 1.98 | 0.62 | 0.0 | 6 | 12 | 16 | 2 | s. | U. S. Weather Bureau |
| Okmulgee | Okmulgee | 752 | 8 | 72.9 | | 99 | 21 | 49 | 12 | 35 | 1.55 | | 0.65 | 0.0 | 7 | 22 | 3 | 5 | s. | J. L. Maynard. |
| Pauls Valley | Garvin | 880 | 11 | | | | | | | | | | | | | | | | | A. M. Foss. |
| Pawhuska | Osage | 918 | 12 | 75.9 | + 0.3 | 99 | 21† | 50 | 12 | 39 | 2.21 | − 3.77 | 1.11 | 0.0 | 6 | 21 | 9 | 0 | s. | R. C. Block. |
| Perry | Noble | 1,060 | 13 | 76.0 | + 1.1 | 101 | 22 | 50 | 5 | 34 | 1.27 | − 3.36 | 1.06 | 0.0 | 5 | 23 | 5 | 2 | e. | J. A. Douglas. |
| Ravia | Johnson | 796 | 9 | 76.8 | | 104 | 19 | 49 | 12 | 40 | 0.36 | | 0.18 | 0.0 | 5 | 23 | 5 | 2 | s. | R. G. Guptill. |
| Sac & Fox Agency | Lincoln | 900 | 18 | | | | | | | | | | | | | | | | | U. B. Taylor. |
| Shawnee | Pottawatomie | 1,041 | 10 | 76.2 | + 0.6 | 101 | 22 | 47 | 12 | 42 | 0.69 | − 4.74 | 0.39 | 0.0 | 3 | 20 | 7 | 3 | s. | Neal R. Clark. |
| Snyder | Kiowa | 1,356 | 4 | 78.9 | | 105 | 2 | 53 | 12† | 44 | 1.02 | | 0.76 | 0.0 | 5 | 17[a] | 12[a] | 0[a] | se. | Dr. W. G. Woodard. |
| Stillwater | Payne | 880 | 18 | 75.4 | − 0.3 | 99 | 22 | 49 | 12 | 34 | 1.05 | − 2.91 | 0.48 | 0.0 | 5 | 20 | 5 | 5 | se. | J. M. Speidel. |
| Supply | Woodward | 2,100 | 3 | 75.2 | | 100[a] | 19† | 45[a] | 11 | 40[a] | 3.09 | | 1.90[a] | 0.0[a] | 6[a] | 14[a] | 14[a] | 1[a] | s. | A. H. Trumbo. |
| Tulsa (1) | Tulsa | 700 | 22 | 75.8 | | 99 | 22 | 52 | 12 | 31 | 3.22 | − 1.26 | 1.30 | 0.0 | 8 | 10 | 17 | 3 | s. | William Hall. |
| Vinita | Craig | 698 | 7 | 73.8 | | 94 | 21 | 52 | 11† | 35 | 1.50 | | 0.65 | 0.0 | 4 | 18 | 7 | 5 | s. | C. E. Lahman. |
| Wagoner | Wagoner | 588 | 14 | 74.8 | − 0.7 | 96 | 20† | 54 | 11 | 31 | 1.67 | − 2.68 | 0.41 | 0.0 | 9 | 17 | 6 | 7 | s. | S. L. Hatfield. |
| Waukomis | Garfield | 1,258 | 14 | 76.4 | − 0.2 | 109 | 22 | 51 | 4 | 44 | 1.71 | − 2.03 | 1.63 | 0.0 | 3 | 15 | 15 | 0 | se. | R. C. Shades. |
| Waurika | Jefferson | 988 | .... | 80.0 | | 108 | 2 | 50 | 12 | 44 | 2.11 | | 1.60 | 0.0 | 5 | 22 | 6 | 2 | se. | B. A. Swindler. |
| Weatherford | Custer | 1,630 | 9 | 77.0 | | 102 | 22 | 48 | 12 | 40 | 1.51 | | 0.74 | 0.0 | 5 | 20 | 8 | 2 | e. | M. D. Reed. |
| Webbers Falls | Muskogee | 479 | 12 | 77.2[b] | + 0.7 | 97[b] | 19 | 49[b] | 6 | 43[b] | 1.30 | − 2.98 | 0.50 | 0.0 | 5 | 10 | 19 | 1 | e. | B. D. Boulineau. |
| Whiteagle | Kay | 945 | 5 | 77.2 | + 1.3 | 98 | 21 | 52 | 11 | 28 | 1.55 | | 0.84 | 0.0 | 9 | 22 | 7 | 1 | s. | J. M. Dankwardt. |
| Woodward | Woodward | 1,886 | 1 | 75.0 | | 102 | 22 | 44 | 11 | 39 | 1.17 | | 0.57 | 0.0 | 5 | 21 | 9 | 0 | s. | R. A. Boyle. |
| *Missouri.* | | | | | | | | | | | | | | | | | | | | |
| Belle | Maries | ..... | 18 | 69.2 | − 3.4 | 91[b] | 19 | 45[b] | 2 | 32[b] | 5.95 | + 0.97 | 2.45 | 0.0 | 7 | 6[b] | 17[b] | 5[b] | s. | A. J. Wofford. |
| Birchtree | Shannon | 1,200 | 17 | 70.0 | − 2.7 | 92[b] | 19 | 48[b] | 2† | 33[b] | 6.42 | + 1.88 | 2.40 | 0.0 | 9 | 17 | 8 | 5 | ne. | V. H. Kirkendall. |
| Cape Girardeau | Cape Girardeau | 346 | 5 | | | | | | | | 4.43 | | 2.12 | 0.0 | 5 | 20[a] | 4[a] | 5[a] | s. | D. L. Albert. |
| Caruthersville | Pemiscot | ..... | 20 | 73.0 | − 3.9 | 96 | 20 | 50 | 2 | 35 | 2.92 | − 1.16 | 1.32 | 0.0 | 5 | 21[a] | 1[a] | 7[a] | e.[a] | H. E. Averill. |
| Dean | McDonald | ..... | 11 | 70.6[c] | − 2.6 | 93[c] | 21 | 48[c] | 12† | 35[c] | 5.39 | − 1.17 | 1.13 | 0.0 | 11 | 18[c] | 0[c] | 9[c] | ..... | H. E. Dean. |
| Doniphan | Ripley | 440 | 6 | 70.9 | | 94 | 20 | 49 | 12 | 34 | 3.01 | | 1.40 | 0.0 | 11 | 18 | 6 | 6 | s. | W. W. Martin. |
| Farmington | St. Francois | 889 | 3 | | | | | | | | | | | | | | | | | Miss Carrie Sneed. |
| Gano | Dent | ..... | 7 | 68.6 | | 94 | 19† | 46 | 9 | 33 | 5.15 | | 1.95 | 0.0 | 11 | 15 | 10 | 5 | ne. | A. C. Leech. |
| Goodland | Iron | 960 | 5 | 67.2 | | 92 | 19 | 42 | 2† | 37 | 3.98 | | 0.90 | 0.0 | 7 | 17 | 3 | 10 | s. | P. M. Adams. |
| Greenville | Wayne | ..... | 16 | 72.0 | − 1.9 | 95 | 19† | 47 | 2 | 36 | 2.62 | − 1.86 | 1.40 | 0.0 | 4 | 15 | 15 | 0 | s. | A. G. Templeton. |
| Hollister | Taney | | | | | | | | | | | | | | | | | | | W. P. Chapman. |
| Ironton | Iron | 925 | 32 | 68.0 | − 3.9 | 94 | 20 | 41 | 12 | 39 | 3.62 | − 1.46 | 1.66 | 0.0 | 9 | 12 | 12 | 6 | s. | W. H. Delano. |
| Jackson | Cape Girardeau | 458 | 19 | 71.4 | − 2.3 | 95 | 20† | 46 | 2 | 35 | 2.62 | − 1.71 | 1.03 | 0.0 | 7 | 11 | 10 | 9 | s. | L. M. Bean. |
| Joplin | Jasper | 979 | 32 | 73.4 | | 95 | 22† | 52 | 11 | 27 | 3.94 | − 0.97 | 1.95 | 0.0 | 9 | 22 | 7 | 1 | se. | Miss E. Russum. |
| Koshkonong | Oregon | 911 | 10 | 71.4 | | 92[a] | 20 | 53[a] | 3 | 27[a] | 9.01 | | 2.00 | 0.0 | 10 | 9[a] | 16[a] | 4[a] | se. | J. W. Hitt. |
| Lamar | Barton | 964 | 30 | 72.3 | − 1.7 | 96 | 20 | 49 | 11† | 33 | 4.04 | − 0.89 | 1.55 | 0.0 | 7 | 18 | 6 | 6 | e. | E. H. Adams. |
| Marble Hill | Bollinger | 420 | 19 | | | | | | | | | | | | | | | | | A. F. Hendricks. |
| Mountaingrove | Wright | 1,490 | 11 | 67.8 | − 3.7 | 88 | 20 | 48 | 12 | 28 | 4.85 | + 0.54 | 2.15 | 0.0 | 8 | 13 | 7 | 10 | ne. | Mo. Fruit Exp. Station. |
| Mount Vernon | Lawrence | 1,480 | 34 | | | | | | | | | | | | | | | | | Dr. O. H. Brown. |
| Neosho | Newton | 1,023 | 27 | 71.2 | − 2.6 | 92 | 20† | 49 | 12† | 34 | 8.14 | + 2.61 | 2.55 | 0.0 | 11 | 19 | 4 | 7 | se. | W. O. Buck. |
| New Madrid | New Madrid | 285 | 16 | | | | | | | | 5.79 | + 1.57 | 3.05 | 0.0 | 9 | 21 | 3 | 6 | se. | Miss Josie Smith. |
| Oakfield | Franklin | 793 | 18 | 70.9 | − 3.1 | 94 | 26 | 47 | 3 | 28 | 4.46 | − 0.11 | 1.55 | 0.0 | 9 | 5 | 17 | 8 | ne. | E. E. Stines. |
| Olden | Howell | 1,246 | 20 | 70.2 | − 2.9 | 91 | 19† | 51 | 2† | 32 | 4.70 | + 0.81 | 3.31 | 0.0 | 6 | 17 | 10 | 3 | se. | J. D. Evans. |
| Perryville | Perry | 582 | 1 | | | | | | | | | | | | | | | | | Superintendent of Schools |
| Rolla | Phelps | 1,092 | 29 | 70.0 | | 92 | 20 | 49 | 11 | 30 | 8.26 | + 4.03 | 2.09 | 0.0 | 9 | 18 | 6 | 6 | ne. | Prof. P. J. Wilkins. |
| Sikeston | Scott | 328 | 15 | 72.3 | − 2.4 | 94 | 20 | 50 | 2 | 34 | 4.65 | + 0.48 | 1.33 | 0.0 | 7 | 16 | 9 | 5 | ne. | A. A. Harrison. |
| Springfield | Greene | 1,350 | 22 | 69.9 | − 2.4 | 91 | 20 | 51 | 1 | 23 | 2.56 | − 2.63 | 1.25 | 0.0 | 11 | 20 | 4 | 6 | se. | U. S. Weather Bureau. |
| Steelville | Crawford | 746 | 14 | 68.7 | | 98 | 22 | 43 | 2 | 44 | 4.56 | + 0.29 | 2.33 | 0.0 | 9 | 15 | 6 | 9 | sw. | Edwin Pumphrey. |
| Willowsprings | Howell | 1,300 | 17 | | | | | | | | | | | | | | | | | John Lovewell. |
| *Kentucky.* | | | | | | | | | | | | | | | | | | | | |
| Blandville | Ballard | 445 | 30 | 68.4 | − 6.8 | 88 | 27 | 49 | 3 | 21 | 3.53 | − 1.27 | 1.73 | 0.0 | 8 | 8 | 16 | 6 | sw. | E. W. Horr. |
| Lynnville | Graves | ..... | 9 | 72.3 | | 96 | 20 | 48 | 2 | 35 | 3.61 | | 0.91 | 0.0 | 12 | 9 | 13 | 8 | se. | Wm. Scherffius. |
| *Tennessee.* | | | | | | | | | | | | | | | | | | | | |
| Arlington | Shelby | ..... | 28 | 73.1 | − 3.4 | 93 | 25 | 53 | 12 | 31 | 2.36 | | 0.70 | 0.0 | 6 | 10 | 7 | 13 | s. | A. T. B. Etheridge. |
| Bolivar | Hardeman | 450 | 23 | 73.0 | − 2.9 | 92 | 20 | 54 | 12 | 30 | 6.23 | + 2.19 | 1.40 | 0.0 | 9 | 19 | 1 | 10 | s. | Miss M. A. Smith. |
| Brownsville | Haywood | 361 | 25 | 72.3 | − 4.3 | 93 | 20 | 54 | 12 | 28 | 4.16 | | 1.32 | 0.0 | 7 | 10 | 12 | 8 | n. | Miss Hattie N. Moses. |
| Covington | Tipton | 311 | 23 | 73.2 | − 3.3 | 93 | 20 | 55 | 12 | 26 | 3.54 | − 0.56 | 1.22 | 0.0 | 9 | 21 | 1 | 8 | n. | J. S. Ruffin. |
| Dyersburg | Dyer | 310 | 27 | 73.3 | − 3.2 | 97 | 26 | 53 | 3 | 30 | 3.02 | − 0.98 | 1.30 | 0.0 | 5 | 20 | 2 | 8 | ne. | Miss M. A. Sinclair. |
| Jackson | Madison | 450 | 17 | | | | | | | | | | | | | | | | | T. H. Hartmus. |
| Kenton | Obion | | 8 | 72.8 | | 95 | 20 | 49 | 3 | 33 | 2.63 | | 1.18 | 0.0 | 12 | 16 | 6 | 8 | s. | G. S. Martin. |
| Memphis | Shelby | 409 | 39 | 73.8 | − 3.9 | 90 | 26 | 59 | 11 | 21 | 4.13 | − 0.24 | 1.36 | 0.0 | 13 | 6 | 13 | 11 | ne. | U. S. Weather Bureau. |
| Milan | Gibson | 440 | 27 | 71.6 | − 4.7 | 91 | 20 | 51 | 15 | 32 | 3.43 | − 1.04 | 1.04 | 0.0 | 12 | 7 | 8 | 15 | n. | O. F. Cantwell. |
| Trenton | do | 345 | 27 | 72.0 | − 4.1 | 94 | 20† | 48 | 2 | 35[b] | 3.22 | − 1.08 | 1.53 | 0.0 | 5 | .... | .... | .... | .... | Prof. F. L. Dennison. |
| Union City | Obion | 360 | 12 | 74.0 | − 1.8 | 97 | 20 | 51 | 2 | 37 | 3.63 | − 0.34 | 1.47 | 0.0 | 9 | 15 | 13 | 2 | nw. | J. B. Kinzey. |

TABLE 1.—*Climatological data for June, 1910 District No 7*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Arkansas.* | | | | | | | | | | | | | | | | | | | | |
| Alicia | Lawrence | | 6 | 72.3 | ..... | 94 | 20 | 51 | 14 | 31 | 4.95 | ..... | 2.50 | 0.0 | 6 | 19 | 9 | 2 | nw. | McCullough & Guelck. |
| Amity | Clark | 250 | 18 | 75.2 | − 1.0 | 98 | 20 | 32 | 12† | 35 | 2.00 | − 3.44 | 0.80 | 0.0 | 8 | 11 | 12 | 7 | sw. | Prof. S. M. Samson. |
| Arkadelphia (near) | do | 250 | 3 | 76.8 | ..... | 99 | 18 | 55 | 12 | 34 | 5.28 | ..... | 2.04 | 0.0 | 9 | 16 | 5 | 9 | sw. | J. A. Ross. |
| Arkansas City | Desha | 145 | 27 | | | | | | | | 8.14 | + 3.97 | 1.60 | 0.0 | 11 | ..... | ..... | ..... | ..... | W. C. Blundell. |
| Batesville (2) | Independence | 271 | 6 | | | | | | | | 6.16 | ..... | 1.10 | 0.0 | 16 | ..... | ..... | ..... | ..... | Miss Lelia I. Teter. |
| Bee Branch | Van Buren | | 18 | 73.8 | − 2.1 | 94[b] | 19† | 51[b] | 12 | 32 | 6.85 | + 3.73 | 1.15 | 0.0 | 11 | 8 | 13 | 9 | ..... | J. E. Scanlon. |
| Benton | Saline | 283 | 3 | 75.6 | ..... | 95 | 19† | 55 | 12† | 33 | 3.62 | ..... | 2.50 | 0.0 | 6 | ..... | ..... | ..... | s. | J. E. Evans. |
| Bentonville | Benton | 1,303 | 5 | 71.2 | − 2.9 | 91 | 21 | 51 | 14 | 29 | 4.21 | − 0.35 | 1.41 | 0.0 | 12 | 16 | 11 | 3 | e. | U. S. Weather Bureau. |
| Bergman | Boone | 1,324 | 14 | 67.4 | − 5.3 | 91 | 19 | 44 | 12 | 34 | 5.02 | + 0.84 | 2.15 | 0.0 | 6 | 15 | 10 | 5 | ne. | John T. Maxey. |
| Black Rock | Lawrence | | 6 | | | | | | | | 3.90 | ..... | 1.27 | 0.0 | 11 | ..... | ..... | ..... | ..... | S. J. Howe. |
| Brinkley | Monroe | 226 | 24 | 74.2 | − 2.9 | 95 | 17 | 54 | 12† | 36 | 5.97 | + 2.55 | 1.82 | 0.0 | 10 | ..... | ..... | ..... | ..... | H. L. D. Whitson. |
| Calico Rock | Izard | 361 | 6 | | | | | | | | 3.66 | ..... | 1.12 | 0.0 | 6 | ..... | ..... | ..... | ..... | W. H. Stoner. |
| Camden | Ouachita | 158 | 25 | 76.1 | − 1.9 | 95 | 18† | 53 | 12† | 31 | 5.60 | + 0.72 | 1.24 | 0.0 | 9 | 16 | 9 | 5 | sw. | R. H. Quarterman. |
| Centerpoint | Howard | | 10 | 77.8 | ..... | 98 | 20 | 53 | 12 | 37 | 2.18 | ..... | 1.00 | 0.0 | 3 | 14 | 8 | 8 | sw. | J. M. Huddleston. |
| Clarendon | Monroe | 171 | 6 | | | | | | | | 4.80 | ..... | 1.09 | 0.0 | 13 | ..... | ..... | ..... | ..... | Mrs. B. E. Bishop. |
| Conway | Faulkner | 309 | 27 | 74.8 | − 2.0 | 91 | 20† | 53 | 12 | 28 | 5.73 | + 1.73 | 2.16 | 0.0 | 14 | 10 | 18 | 2 | se. | G. H. Burr. |
| Corning | Clay | 293 | 18 | 72.4 | − 3.3 | 94 | 20 | 51 | 12 | 31 | 1.93 | − 2.13 | 1.12 | 0.0 | 10 | 6 | 16 | 8 | s. | Jacob Brobst. |
| Dardanelle | Yell | 330 | 24 | 74.6 | ..... | 92 | 2† | 53 | 12 | 33 | 5.79 | + 1.89 | 1.86 | 0.0 | 9 | ..... | ..... | ..... | ..... | A. Bernard. |
| Dennard | Van Buren | | | | | | | | | | | | | | | ..... | ..... | ..... | ..... | Fred B. Brown. |
| Dodd City | Marion | 1,175 | 29 | 70.9 | − 5.1 | 92[b] | 19† | 47[b] | 13 | 34[b] | 7.45 | + 3.05 | 2.80 | 0.0 | 8 | ..... | ..... | ..... | s. | Neal Dodd. |
| Dutton | Madison | | 9 | 72.0[a] | ..... | 90[a] | 20 | 52[a] | 10 | 31[a] | 5.36 | ..... | 1.80 | 0.0 | 8 | ..... | ..... | ..... | ..... | Edward Mize. |
| Earl | Crittenden | | 4 | 74.4 | ..... | 95[b] | 20 | 54[b] | 9† | 32[b] | 4.12 | ..... | 1.97 | 0.0 | 8 | ..... | ..... | ..... | ..... | W. J. Moss. |
| Eldorado | Union | 265 | 6 | 76.4 | ..... | 94 | 18 | 56 | 12† | 30 | 7.25 | ..... | 2.38 | 0.0 | 10 | ..... | ..... | ..... | ..... | Fred A. Babb. |
| England | Lonoke | | 4 | 74.8 | ..... | 93 | 15† | 54 | 12 | 31 | 6.06 | ..... | 2.45 | 0.0 | 9 | ..... | ..... | ..... | ..... | J. C. Chenault. |
| Eureka Springs | Carroll | | 9 | 72.3 | ..... | 95 | 20 | 49 | 12 | 34 | 4.85 | ..... | 1.30 | 0.0 | 11 | 8 | 21 | 1 | sw. | S. H. Britts. |
| Fayetteville | Washington | 1,451 | 21 | 71.8 | − 1.9 | 91 | 21 | 48 | 12 | 32 | 2.32 | − 2.52 | 0.72 | 0.0 | 12 | 12 | 16 | 2 | ne. | University of Arkansas. |
| Fort Smith | Sebastian | 481 | 28 | 76.1 | − 0.7 | 97 | 20 | 54 | 12 | 33 | 3.04 | − 0.96 | 1.23 | 0.0 | 10 | 13 | 14 | 3 | e. | U. S. Weather Bureau. |
| Fulton | Hempsted | 264 | 6 | | | | | | | | 2.40 | ..... | 1.00 | 0.0 | 6 | ..... | ..... | ..... | ..... | B. C. Logan. |
| Hardy | Sharp | 643 | 12 | 71.4 | ..... | 92 | 20 | 51 | 12 | 32 | 5.33 | + 1.43 | 2.11 | 0.0 | 12 | 3 | 19 | 8 | sw. | C. A. Caywood. |
| Helena (2) | Phillips | 182 | 9 | 75.8 | − 2.5 | 96 | 18 | 54 | 1 | 33 | 3.76 | − 0.40 | 1.42 | 0.0 | 9 | ..... | ..... | ..... | ..... | R. F. Modisett. |
| Hot Springs | Garland | 600 | 4 | 73.2 | ..... | 94[c] | 20 | 48 | 12 | 34[c] | 8.54 | ..... | 4.50 | 0.0 | 11 | 22 | 8 | 0 | ne. | Hot Springs Water Co. |
| Huttig | Union | 85 | 3 | 77.0 | ..... | 95[a] | 18† | 57[a] | 12 | 33[a] | 8.32 | ..... | 1.94 | 0.0 | 11 | ..... | ..... | ..... | ..... | C. A. Berry. |
| Jonesboro | Craighead | 345 | 15 | 73.2 | − 4.7 | 97 | 17 | 50 | 12 | 38 | 3.94 | − 0.23 | 1.78 | 0.0 | 7 | 11 | 17 | 2 | sw. | Benedictine Sisters. |
| Junction | Union | | 17 | 77.3 | − 0.4 | 98 | 18 | 54 | 13 | 29 | 7.19 | + 2.68 | 1.50 | 0.0 | 8 | 17 | 5 | 8 | sw. | J. A. Lowderback. |
| Lake Farm | Jefferson | 195 | 3 | 74.4 | ..... | 94 | 18† | 53 | 12 | 32 | 6.27 | ..... | 2.15 | 0.0 | 8 | 13 | 15 | 2 | s. | R. H. Gillespie. |
| Lewisville | Lafayette | 262 | 7 | 77.2 | ..... | 96[a] | 19 | 55[a] | 12 | 35[a] | 4.52 | ..... | 1.12 | 0.0 | 13 | ..... | ..... | ..... | ..... | F. W. Youmans. |
| Little Rock | Pulaski | 357 | 31 | 74.6 | − 2.6 | 91 | 20 | 59 | 12 | 24 | 7.25 | + 3.16 | 2.60 | 0.0 | 14 | 8 | 17 | 5 | ne. | U. S. Weather Bureau. |
| Lutherville | Johnson | 775 | 13 | 73.0 | − 2.0 | 93 | 19 | 47 | 13 | 33 | 5.02 | ..... | 1.73 | 0.0 | 10 | 8 | 17 | 5 | ne. | Herman Hentschel. |
| McNeil | Columbia | 321 | 3 | | | | | | | | | | | | | ..... | ..... | ..... | ..... | L. A. Smith. |
| Malvern | Hot Spring | 277 | 23 | 75.4 | − 1.9 | 96 | 21 | 53 | 12 | 32 | 3.44 | − 0.12 | 1.10 | 0.0 | 8 | ..... | ..... | ..... | ..... | Miss L. C. Smith. |
| Mammoth Spring | Fulton | | 6 | 70.4 | ..... | 92[a] | 20 | 45[a] | 12 | 34 | 6.30 | ..... | 2.08 | 0.0 | 12 | 7 | 19 | 4 | ..... | F. Wallick. |
| Marked Tree | Poinsett | | 6 | | | | | | | | 6.54 | ..... | 1.97 | 0.0 | 11 | ..... | ..... | ..... | ..... | L. Smith. |
| Mena | Polk | 1,100 | 24 | | | | | | | | | | | | | ..... | ..... | ..... | ..... | D. H. Hopkins. |
| Mossville | Newton | | 17 | 68.6 | − 3.0 | 88 | 19 | 50 | 12 | 30 | 5.36 | − 0.03 | 2.24 | 0.0 | 7 | 14 | 4 | 12 | s. | Theo. Ober. |
| Mount Nebo | Yell | 1,750 | 20 | | | | | | | | | | | | | ..... | ..... | ..... | ..... | T. G. Church. |
| Newport (1) | Jackson | 231 | 26 | 74.2 | − 3.1 | 95 | 20 | 57 | 12 | 28 | 4.06 | + 0.26 | 1.25 | 0.0 | 12 | ..... | ..... | ..... | ..... | L. R. Cobb. |
| Ozark | Franklin | 377 | 19 | 75.2 | − 3.0 | 97 | 27 | 51 | 13 | 34 | 5.25 | + 0.62 | 3.34 | 0.0 | 9 | 16 | 13 | 1 | e. | R. M. Adams. |
| Pine Bluff | Jefferson | 215 | 22 | 76.0 | − 3.1 | 95 | 21 | 55 | 12 | 32 | 4.59 | + 0.46 | 1.31 | 0.0 | 9 | ..... | ..... | ..... | ..... | J. M. Hudson. |
| Pocahontas | Randolph | | 18 | 72.8 | − 2.3 | 95 | 20 | 54 | 14 | 32 | 2.67 | − 1.21 | 1.36 | 0.0 | 9 | 9 | 16 | 5 | ..... | Benedictine Sisters. |
| Pond | Benton | 1,250 | 13 | 71.0 | − 2.3 | 91 | 20† | 49 | 12† | 32 | 2.73 | − 3.48 | 1.01 | 0.0 | 12 | 4 | 21 | 5 | sw. | A. F. Stevens. |
| Portland | Ashley | 122 | 1 | 76.0 | ..... | 93 | 2† | 55 | 15 | 32 | 6.52 | ..... | 2.02 | 0.0 | 11 | ..... | ..... | ..... | ..... | T. A. Corson. |
| Prescott | Nevada | 327 | 22 | 76.2 | − 2.2 | 96 | 20 | 52 | 13† | 35 | 4.47 | + 1.17 | 1.42 | 0.0 | 8 | ..... | ..... | ..... | ..... | A. M. Ellsworth. |
| Rogers | Benton | 1,385 | 19 | 70.6 | − 2.7 | 90 | 21 | 49 | 12† | 31 | 2.24 | − 2.34 | 0.66 | 0.0 | 13 | 11 | 11 | 8 | s. | Carl A. Stark. |
| Spielerville | Logan | 1,050 | 13 | 75.0 | − 2.0 | 95 | 21 | 54 | 13 | 32 | 4.71 | + 0.19 | 2.51 | 0.0 | 11 | 16 | 9 | 5 | e. | New Subiaco Abbey. |
| Springbank | Miller | 182 | 3 | | | | | | | | 4.05 | ..... | 1.55 | 0.0 | 9 | ..... | ..... | ..... | ..... | G. Field. |
| Stuttgart | Arkansas | 405 | 23 | 75.0 | − 2.3 | 93 | 18 | 56 | 12 | 27 | 6.19 | + 1.88 | 2.51 | 0.0 | 12 | 14 | 14 | 2 | n. | H. A. Buerkle. |
| Texarkana | Miller | 332 | 26 | 77.4 | − 1.2 | 95 | 2 | 59 | 12† | 29 | 4.46 | + 0.96 | 1.30 | 0.0 | 8 | ..... | ..... | ..... | ..... | F. F. Quinn. |
| Warren | Bradley | 304 | 15 | 75.8 | − 2.6 | 96 | 18† | 55 | 12† | 33 | 4.61 | + 0.28 | 1.22 | 0.0 | 9 | ..... | ..... | ..... | ..... | W. J. Savage. |
| Whitecliffs | Little River | 206 | 6 | | | | | | | | 1.01 | ..... | 0.28 | 0.0 | 8 | ..... | ..... | ..... | ..... | John E. Payton. |
| Wiggs | Garland | | 17 | 73.8 | − 2.3 | 95 | 19† | 49 | 12† | 34 | 4.24 | − 0.20 | 1.35 | 0.0 | 13 | 7 | 23 | 0 | ..... | S. D. Jester. |
| Wynne | Cross | | 2 | 73.9 | ..... | 95 | 20 | 53 | 12 | 32 | 3.98 | ..... | 2.21 | 0.0 | 11 | ..... | ..... | ..... | ..... | R. R. Poole. |
| *Mississippi.* | | | | | | | | | | | | | | | | | | | | |
| Anguilla | Sharkey | 107 | 2 | 76.4 | ..... | 96 | 18 | 56 | 15 | 33 | 7.10 | ..... | 2.00 | 0.0 | 12 | 8 | 6 | 16 | ne. | E. W. Cook. |
| Austin | Tunica | 200 | 14 | 74.2 | − 3.1 | 93 | 18 | 55 | 12† | 30 | 4.11 | + 0.16 | 1.89 | 0.0 | 10 | 13 | 13 | 4 | ne. | H. J. Irvine. |
| Batesville | Panola | 230 | 22 | 74.1 | − 3.9 | 92 | 17 | 56 | 1 | 32 | 6.08 | + 2.03 | 2.87 | 0.0 | 9 | 12 | 5 | 13 | e. | J. M. Cox. |
| Byhalia | Marshall | 390 | 1 | | | | | | | | 3.87 | ..... | 1.00 | 0.0 | 7 | 11 | 17 | 2 | sw. | Tallahatchie Drng. Com. |
| Canton | Madison | 228 | 20 | 76.0 | − 2.6 | 93 | 8† | 57 | 1† | 32 | 4.14 | + 0.02 | 1.90 | 0.0 | 11 | 8 | 18 | 4 | sw. | Dr. G. W. Smith-Vania. |
| Clarksdale | Coahoma | 177 | 3 | 75.5 | ..... | 94 | 18 | 56 | 12† | 29 | 7.12 | ..... | 3.08 | 0.0 | 13 | 13 | 5 | 12 | ne. | J. F. Durham. |
| Coffeeville | Yalobusha | 241 | 1 | | | | | | | | 8.03 | ..... | 1.97 | 0.0 | 15 | 10 | 12 | 8 | n. | Tallahatchie Drng. Com. |
| Corinth | Alcorn | 470 | 22 | 74.3 | − 1.1 | 94 | 25 | 54 | 1† | 34 | 3.31 | − 0.79 | 1.26 | 0.0 | 11 | 18 | 5 | 7 | sw. | M. A. Candler. |
| Crenshaw | Panola | 187 | 1 | | | | | | | | 8.23 | ..... | 3.38 | 0.0 | 16 | 9 | 17 | 4 | ne. | Tallahatchie Drng. Com. |
| Denmark | LaFayette | | 1 | | | | | | | | 6.25 | ..... | 1.89 | 0.0 | 9 | ..... | ..... | ..... | ..... | Do. |
| Duck Hill | Montgomery | | 11 | 75.2 | − 2.0 | 96 | 18 | 55 | 14 | 36 | 7.23 | + 4.22 | 1.55 | 0.0 | 9 | 11 | 18 | 1 | s. | W. H. Eskridge. |
| Edwards | Hinds | 222 | 23 | 76.8 | − 3.3 | 95 | 10 | 56 | 1 | 31 | 5.68 | + 1.41 | 1.83 | 0.0 | 12 | 14 | 13 | 3 | se. | C. R. Knox. |
| Enid | Tallahatchie | | 1 | | | | | | | | 6.15 | ..... | 2.00 | 0.0 | 13 | ..... | ..... | ..... | w. | Tallahatchie Drng. Com. |
| Fayette | Jefferson | 270 | 9 | 75.6 | − 2.9 | 92 | 3† | 52 | 16 | 30 | 8.33 | + 3.49 | 2.85 | 0.0 | 12 | 15 | 14 | 1 | sw. | T. L. Darden. |
| Greenville | Washington | 126 | 23 | 76.6 | − 2.9 | 95 | 18 | 59 | 1† | 30 | 5.77 | + 1.94 | 1.58 | 0.0 | 15 | 14 | 3 | 13 | se. | F. L. Harbison. |
| Greenwood | Le Flore | 140 | 10 | 75.4 | ..... | 94 | 18 | 56 | 1 | 33 | 3.66 | ..... | 1.09 | 0.0 | 12 | 13 | 9 | 8 | se. | J. H. Stephen. |
| Grenada | Grenada | 194 | 1 | | | | | | | | 3.86 | ..... | 0.83 | 0.0 | 8 | 20 | 4 | 6 | sw. | Tallahatchie Drng. Com. |
| Hernando | De Soto | 391 | 22 | 74.0 | − 3.4 | 93 | 18 | 57 | 1† | 27 | 5.62 | ..... | 1.55 | 0.0 | 11 | 14 | 2 | 14 | n. | Mrs. Sarah B. Jones. |
| Hickory Flat | Benton | 435 | 1 | | | | | | | | 4.59 | ..... | 1.75 | 0.0 | 14 | 8 | 22 | 0 | ne. | Tallahatchie Drng. Com. |
| Holly Springs | Marshall | 600 | 23 | 73.4 | − 4.2 | 91 | 18 | 54 | 1 | 28 | 3.47 | ..... | 1.59 | 0.0 | 12 | 13 | 4 | 13 | sw. | L. B. Mosby. |
| Kosciusko | Attala | 437 | 20 | 74.2 | − 3.3 | 92 | 18 | 55 | 1 | 29 | 7.37 | + 3.35 | 2.95 | 0.0 | 14 | 14 | 12 | 4 | n. | E. L. Lucas. |
| Lake Cormorant | De Soto | 206 | 1 | | | | | | | | 7.44 | ..... | 2.60 | 0.0 | 13 | 3 | 26 | 1 | se. | Tallahatchie Drng. Com. |
| Lula | Coahoma | 182 | 1 | | | | | | | | 6.00 | ..... | 1.44 | 0.0 | 9 | 14 | 7 | 9 | ..... | Do. |
| Malone | Marshall | | 1 | | | | | | | | | | | | | ..... | ..... | ..... | ..... | Do. |
| Marks | Quitman | 163 | 1 | | | | | | | | 6.57 | ..... | 1.97 | 0.0 | 9 | ..... | ..... | ..... | ..... | Do. |
| Natchez | Adams | 206 | 22 | 78.4 | − 1.6 | 97 | 21 | 60 | 1 | 30 | 5.21 | + 1.21 | 1.16 | 0.0 | 8 | 11 | 5 | 14 | s. | J. C. Weir, jr. |
| New Albany | Union | 398 | 1 | | | | | | | | 6.42 | ..... | 1.35 | 0.0 | 10 | 6 | 24 | 0 | n. | Tallahatchie Drng. Com. |
| Pontotoc | Pontotoc | 475 | 21 | | | | | | | | | | | | | ..... | ..... | ..... | ..... | Dr. C. W. Bolton. |
| Port Gibson | Claiborne | 116 | 22 | 75.8 | − 3.0 | 94 | 18 | 53 | 1 | 36 | 8.31 | + 3.72 | 2.80 | 0.0 | 10 | 13 | 3 | 14 | ne. | H. H. Crisler. |
| Ripley | Tippah | | 11 | | | | | | | | | | | | | ..... | ..... | ..... | ..... | S. W. Pegram. |
| Rosedale | Bolivar | 143 | 2 | 75.3 | ..... | 93 | 20 | 56 | 14 | 29 | 3.72 | ..... | 1.10 | 0.0 | 9 | 16 | 1 | 13 | sw. | W. A. Shelby. |
| Senatobia | Tate | 284 | 1 | | | | | | | | 4.78 | ..... | 1.87 | 0.0 | 9 | 7 | 7 | 16 | sw. | Tallahatchie Drng. Com. |
| Shoccoe | Madison | | 7 | 75.1 | ..... | 95 | 18 | 55 | 1† | 34 | 6.93 | ..... | 3.60 | 0.0 | 9 | 14 | 7 | 9 | s. | J. C. Pitchford. |
| Suffolk | Franklin | | 9 | 77.4 | ..... | 95 | 19 | 56 | 1 | 32 | 4.96 | ..... | 1.53 | 0.0 | 12 | 13 | 8 | 9 | w. | Prof. Geo. H. Kent. |
| Swan Lake | Tallahatchie | 148 | 9 | | | | | | | | 4.37 | ..... | 1.22 | 0.0 | 8 | ..... | ..... | ..... | ..... | B. F. Saunders. |

TABLE 1.—*Climatological data for June, 1910. District No. 7*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Mississippi*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Tchula | Holmes | 130 | 5 | 75.8 | ..... | 94 | 18 | 55 | 14† | 36 | 4.35 | ..... | 1.75 | 0.0 | 7 | 12 | 9 | 9 | w. | Dr. M. P. Winkler. |
| University | LaFayette | 502 | 17 | 74.8[i] | − 1.7 | 93[i] | 18 | 51[i] | 15 | 34[i] | ..... | ..... | ..... | ..... | ..... | 9[i] | 5[i] | 7[i] | n. | Prof. J. H. Dorroh. |
| Utica | Hinds | 287 | 6 | 76.4 | ..... | 95 | 3 | 54 | 1 | 32 | 4.47 | ..... | 1.40 | 0.0 | 9 | 7 | 10 | 13 | se. | Dr. J. B. Dudley. |
| Vicksburg | Warren | 247 | 39 | 76.3 | − 2.2 | 91 | 8 | 60 | 2 | 26 | 3.82 | − 0.67 | 1.22 | 0.0 | 12 | 13 | 10 | 7 | s. | U. S. Weather Bureau. |
| Water Valley | Yalobusha | 300 | 21 | 74.8 | − 2.7 | 94 | 18 | 55 | 1 | 33 | 8.38 | + 3.35 | 2.17 | 0.0 | 11 | 8 | 17 | 5 | ne. | Miss Loula Erikson. |
| Woodville | Wilkinson | 560 | 17 | 76.4 | − 3.5 | 93 | 19 | 58 | 1 | 28 | 9.37 | + 4.92 | 2.55 | 0.0 | 12 | 17 | 7 | 6 | se. | James E. Lee. |
| Yazoo City | Yazoo | 116 | 16 | 75.8 | − 4.2 | 92 | 2 | 55 | 1 | 31 | 5.88 | + 1.61 | 1.52 | 0.0 | 13 | 11 | 5 | 14 | ne. | H. S. Orr. |
| *Louisiana.* | | | | | | | | | | | | | | | | | | | | |
| Abbeville | Vermilion | 18 | 22 | 79.0 | − 0.9 | 97 | 19 | 63 | 1† | 29 | 10.11 | + 4.26 | 2.25 | 0.0 | 13 | 16 | 7 | 7 | sw. | Hon. C. J. Edwards. |
| Alexandria | Rapides | 77 | 19 | 77.4 | − 2.3 | 98 | 19 | 55 | 15 | 35 | 6.56 | + 1.21 | 2.00 | 0.0 | 9 | 13 | 6 | 11 | s. | Miss Nellie Graham. |
| Amite | Tangipahoa | 130 | 22 | 77.8 | − 1.9 | 95 | 3† | 59 | 1 | 33 | 11.14 | + 5.78 | 4.00 | 0.0 | 12 | 7 | 22 | 1 | s. | Miss Lula M. Wentz. |
| Baton Rouge | E. Baton Rouge | 35 | 22 | 80.0 | + 0.3 | 94 | 18 | 66 | 12 | 23 | 4.87 | 0.00 | 1.29 | 0.0 | 9 | 16 | 3 | 11 | sw. | Elmo M. Bott. |
| Burnside‖ | Ascension | 20 | 10 | 78.1 | − 1.2 | 93 | 19† | 59 | 2 | 31 | 8.41 | + 2.61 | 1.95 | 0.0 | 10 | 14 | 6 | 10 | ..... | C. S. McFarland. |
| Burrwood | Plaquemines | 1 | 20 | 79.8 | − 0.5 | 92 | 19† | 69 | 2 | 17 | 6.27 | + 2.51 | 2.35 | 0.0 | 7 | 16 | 10 | 4 | sw. | Graham Myers. |
| Calhoun | Ouachita | 180 | 17 | 76.3 | − 2.3 | 95 | 18† | 55 | 13 | 33 | 5.99 | + 2.46 | 2.41 | 0.0 | 13 | 11 | 14 | 5 | s. | N. L. Exp. Station. |
| Cameron | Cameron | 6 | 15 | 77.2 | − 3.5 | 89 | 15 | 63 | 1 | 25 | 8.41 | + 3.21 | 2.35 | 0.0 | 8 | 10 | 11 | 9 | se. | State Biologic Station. |
| Cheneyville | Rapides | 67 | 20 | 78.1 | − 1.5 | 98 | 19 | 56 | 15 | 37 | 6.95 | + 1.85 | 2.75 | 0.0 | 8 | 16 | 5 | 9 | w. | Walter I. Tanner. |
| Clinton | East Feliciana | 113 | 20 | 76.6 | − 2.4 | 92 | 18† | 58 | 1 | 28 | 8.01 | + 2.95 | 3.48 | 0.0 | 13 | 12 | 7 | 11 | n. | John A. White, Jr. |
| Collinston | Morehouse | 65 | 8 | 77.8 | ..... | 98[a] | 30 | 55[a] | 2 | 38[b] | 8.55 | ..... | 2.00 | 0.0 | 10 | 15 | 8 | 7 | ..... | W. A. Page. |
| Covington | St. Tammany | 39 | 17 | 83.6 | + 3.7 | 95 | 7 | 60 | 1 | 32 | 4.77 | − 0.61 | 1.57 | 0.0 | 16 | 15 | 7 | 8 | s. | C. Champagne. |
| Dodson | Winn | ..... | 1 | 77.2 | ..... | 96 | 9† | 55 | 12 | 31 | 5.74 | ..... | 1.41 | 0.0 | 11 | 15 | 9 | 6 | s. | J. P. Lucas. |
| Donaldsonville | Ascension | 33 | 20 | 79.7 | − 0.1 | 94 | 20 | 66 | 2 | 24 | 10.42 | + 4.71 | 2.00 | 0.0 | 13 | 17 | 5 | 8 | e. | John F. Park. |
| Farmerville | Union | 177 | 20 | 75.6[d] | − 3.6 | 91[c] | 2† | 56[d] | 12 | 28[c] | 9.12 | + 5.15 | 2.39 | 0.0 | 9 | 14 | 12 | 4 | s. | W. P. Chandler. |
| Ferriday | Concordia | ..... | 3 | 76.4 | ..... | 94[b] | 8 | 56[b] | 1† | 33[b] | 7.22 | ..... | 1.17 | 0.0 | 11 | 19 | 5 | 6 | s. | R. Z. Sciater. |
| Franklin | St. Mary | 10 | 18 | 79.2 | − 1.8 | 94 | 16† | 64 | 1† | 29 | 8.57 | + 2.76 | 1.85 | 0.0 | 11 | 15 | 6 | 9 | s. | Miss Josephine M. Bonney. |
| Grand Cane | De Soto | 302 | 4 | 77.7 | ..... | 96 | 18† | 55 | 13 | 33 | 6.32 | ..... | 1.64 | 0.0 | 8 | 12 | 2 | 16 | s. | J. J. Paxton. |
| Grand Coteau | St. Landry | 93 | 23 | 77.8 | − 1.8 | 95 | 19 | 60 | 1† | 30 | 8.93 | + 2.61 | 2.35 | 0.0 | 11 | 18 | 9 | 3 | s. | St. Charles College. |
| Hammond | Tangipahoa | 44 | 15 | 78.5 | − 1.5 | 97 | 19 | 53 | 1 | 39 | 9.71 | + 4.15 | 2.75 | 0.0 | 10 | 16 | 12 | 2 | sw. | C. C. Carr. |
| Houma | Terrebonne | ..... | 19 | 78.4 | − 1.9 | 95 | 19† | 57 | 2 | 35 | 4.40 | − 1.25 | 1.70 | 0.0 | 8 | 16 | 0 | 14 | sw. | J. M. Haggerty. |
| Jennings | Calcasieu | 30 | 12 | 78.3 | − 2.0 | 95 | 18† | 62 | 15 | 27 | 7.65 | + 2.75 | 3.02 | 0.0 | 11 | 7 | 15 | 8 | se. | J. F. Buch. |
| Lafayette | Lafayette | 36 | 21 | 77.6 | − 2.4 | 92 | 19† | 61 | 1 | 25 | 8.62 | + 2.14 | 2.00 | 0.0 | 13 | 15 | 3 | 12 | e. | J. J. Davidson. |
| Lake Charles | Calcasieu | 22 | 22 | 77.8 | − 2.1 | 99 | 19 | 56 | 13 | 36 | 10.11 | + 4.09 | 3.85 | 0.0 | 11 | 18 | 4 | 8 | sw. | A. O. Boudreaux. |
| Lakeside | Cameron | ..... | 9 | 78.5 | ..... | 94 | 1† | 65 | 1† | 29 | 15.03 | ..... | 4.00 | 0.0 | 11 | 10 | 0 | 20 | sw. | Miss L. T. Nunnemacher. |
| Lawrence | Plaquemines | 6 | 18 | 80.3 | − 0.9 | 99 | 19 | 64 | 2 | 31 | 7.24 | + 1.65 | 3.09 | 0.0 | 12 | 13 | 13 | 4 | s. | H. C. Warmoth. |
| Liberty Hill | Bienville | ..... | 23 | 80.4 | + 0.5 | 100 | 18 | 58 | 13 | 30 | 5.39 | + 0.59 | 1.08 | 0.0 | 10 | 13 | 13 | 4 | s. | Dr. E. A. Crawford. |
| Logansport | De Soto | 192 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.78 | ..... | 2.00 | 0.0 | 4 | 12 | 5 | 13 | s. | Mrs. Bettie M. Dennis. |
| Melville | St. Landry | 45 | 21 | 77.1 | − 2.0 | 98 | 29 | 58 | 1† | 33 | 6.62 | + 2.36 | 1.40 | 0.0 | 12 | 17 | 7 | 6 | s. | Chas. B. McNeill. |
| Minden | Webster | 194 | 18 | 75.6 | − 4.1 | 97 | 8† | 52 | 12† | 36 | 5.60 | + 1.51 | 1.39 | 0.0 | 12 | 17 | 8 | 5 | n. | Miss Ethel Fort. |
| Monroe | Ouachita | 82 | 22 | 78.6 | − 1.1 | 95[a] | 2† | 60[b] | 12 | 30[b] | 4.29 | + 0.20 | 1.70 | 0.0 | 11 | 17 | 5 | 8 | n. | Kenneth F. Stiles. |
| Morgan City | St. Mary | 14 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.68 | ..... | 2.58 | 0.0 | 10 | 19 | 4 | 7 | s. | Virgil E. Kinsey. |
| Newellton | Tensas | ..... | 3 | 76.6 | ..... | 94 | 18 | 56 | 1 | 33 | 8.76 | ..... | 2.43 | 0.0 | 10 | 7 | 22 | 1 | ..... | John D. Fultz. |
| New Iberia | Iberia | 15 | 20 | 79.0 | − 1.0 | 91 | 9† | 65 | 15 | 22 | 8.04 | + 1.58 | 2.60 | 0.0 | 10 | 8 | 19 | 3 | se. | Mrs. Jno. A. Gebert. |
| New Orleans (1) | Orleans | 51 | 40 | 79.2 | − 0.4 | 92 | 19 | 65 | 10 | 23 | 9.46 | + 3.30 | 3.47 | 0.0 | 14 | 15 | 12 | 3 | s. | U. S. Weather Bureau. |
| New Orleans (2) | ....do | 18 | 21 | 79.2 | − 1.5 | 94 | 19† | 60 | 19 | 34 | 5.61 | − 0.71 | 2.14 | 0.0 | 12 | 13 | 4 | 13 | s. | Sugar Exp. Station. |
| Opelousas | St. Landry | 83 | 18 | 78.4 | − 1.9 | 96 | 17† | 60 | 1 | 31 | 7.04 | + 1.70 | 2.21 | 0.0 | 11 | 16 | 9 | 5 | se. | Andrew Moresi. |
| Plain Dealing | Bossier | 268 | 18 | 77.3 | − 1.1 | 100 | 19 | 53 | 13 | 37 | 5.05 | + 0.08 | 1.92 | 0.0 | 12 | 12 | 11 | 7 | se. | Leon Sanders. |
| Rayne | Acadia | 44 | 18 | 78.8 | − 1.8 | 95 | 19 | 63 | 1† | 28 | 8.75 | + 2.87 | 3.00 | 0.0 | 11 | 16 | 3 | 11 | s. | A. P. McNeil. |
| Reserve§ | St. John Baptist | ..... | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 9.06 | + 4.93 | 2.24 | 0.0 | 11 | 7 | 12 | 11 | ..... | Leon Godchaux Co., Ltd. |
| Robeline | Natchitoches | 147 | 13 | 76.4 | − 2.6 | 98 | 8† | 51 | 13† | 40 | 4.65 | + 1.19 | 1.98 | 0.0 | 7 | 18 | 5 | 7 | s. | Miss Ruby McCook. |
| Ruston | Lincoln | 312 | 13 | 77.4 | − 1.4 | 95[a] | 18† | 57[a] | 14 | 32[a] | 5.62 | + 1.66 | 1.50 | 0.0 | 9 | 16 | 9 | 5 | n. | J. C. H. McKinney. |
| St. Francisville | West Feliciana | 115 | 6 | 77.8 | ..... | 94 | 18† | 60 | 1 | 28 | 6.95 | ..... | 2.50 | 0.0 | 6 | 22 | 1 | 7 | n. | L. P. Kilbourne. |
| Schriever | Terrebonne | 17 | 17 | 78.2 | − 2.1 | 94 | 8† | 59 | 2 | 33 | 6.08 | − 0.62 | 1.84 | 0.0 | 12 | 24 | 1 | 5 | e. | Chas. V. Moore. |
| Shreveport | Caddo | 249 | 39 | 77.6 | − 2.0 | 95 | 19 | 60 | 12 | 27 | 4.84 | + 1.26 | 2.30 | 0.0 | 7 | 14 | 12 | 4 | se. | U. S. Weather Bureau. |
| Simmesport | Avoyelles | ..... | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8.11 | ..... | 5.12 | 0.0 | 9 | 12 | 7 | 11 | s. | C. T. Leigh. |
| Southern Univ. Farm | Jefferson | ..... | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.91 | − 0.27 | 1.38 | 0.0 | 9 | 8 | 14 | 8 | se. | F. L. St. Martin. |
| Sugartown | Calcasieu | ..... | 17 | 79.0 | − 1.0 | 94 | 19 | 60 | 15 | 30 | 3.99 | − 0.61 | 1.60 | 0.0 | 5 | 5 | 25 | 0 | ..... | G. W. Richardson. |
| Tallulah | Madison | 91 | 2 | 76.0 | ..... | 94[a] | 2† | 54[a] | 1† | 34[a] | 5.60 | ..... | 2.40 | 0.0 | 11 | 5 | 24 | 1 | ..... | C. E. Speed. |

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
[i] Estimated by observer.
‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2—*Daily precipitation for June, 1910. District No. 7, Lower Mississippi Valley.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Colorado.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blaine | Cimarron | | | | | | | | | .15 | | | | | | | T. | | | | | | T. | .60 | | | | | .85 | .77 | | 2.22 |
| Buena Vista | Arkansas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.15 |
| Calhan | Big Sandy | | | .02 | | .03 | | | | | | | .08 | | .11 | | | | | | | | | | T. | | | | | .01 | | 0.25 |
| Canon City | Arkansas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Colorado Springs | Fountain | | | | T. | .06 | | | | | | | .06 | .04 | | T. | | | | | | | | | T. | 1.17 | | | T. | .44 | | 1.77 |
| Cripple Creek | Oil Creek | | T. | | T. | | | | | | | | .52 | .04 | .03 | | | | | | | | | T. | .04 | .52 | .25 | | T. | T. | | | 1.40 |
| Cuchara Camp | Cucharas | T. | | | | | | | | | | | .03 | .02 | | | | | | | | | | | | | .10 | | .47 | | | | 0.62 |
| Eads | Big Sandy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fairview | St. Charles | | | | | | .03 | | | | | | .01 | | | | | | | | | | | | | | | | .06 | | .01 | | 0.11 |
| Florence | Arkansas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Garfield | Little Arkansas | T. | | | | | | | | | | | T. | | T. | .02 | .31 | | | | | | | | | .06 | T. | | | .03 | T. | | 0.42 |
| Glen Eyrie | Fountain | | | | | .03 | | | | | | | .05 | .04 | | | | | | | | | | | .04 | | .01 | | | | .02 | | 0.19 |
| Hampe | Big Sandy | | | T. | | .01 | | | | | | | | | T. | | | | | | | .12 | | | | | | | | T. | | | 0.13 |
| Hermit Lake | Grape Creek | .08 | | | | | | | | | | | .19 | .05 | .03 | .05 | | | | | | | | | | .08 | .23 | .04 | .12 | | | | 0.87 |
| Hoehne (near) | Purgatoire | | | | .22 | | | | | | | | .03 | | | | | | | | T. | | | T. | .12 | | | | .14 | | | | 0.51 |
| Holly | Arkansas | | | | | | .28 | .03 | | | | | | | | | | .10 | | | | T. | | | | .13 | | | | .09 | .10 | | 0.73 |
| Lake Moraine | Fountain | | | | | .09 | | | | | | | .38 | .22 | T. | | .05 | | | | | | | | .11 | | 1.33 | | .40 | .17 | .32 | | 3.07 |
| Lamar | Arkansas | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | | .54 | | 0.54 |
| Las Animas | ...do | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | .93 | | 0.93 |
| La Veta Pass | Cucharas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leadville | Arkansas | T. | | | | T. | | | | | | | | T. | | T. | .50 | | | | | | | | | | .14 | | | T. | | | 0.64 |
| Limon (near) | Big Sandy | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | .04 | | 0.04 |
| Marshall Pass | Arkansas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| North Lake | Purgatoire | | | | | | | | | | | | .09 | .08 | .03 | .03 | | | | | | | | | .20 | .18 | .33 | | .13 | | | | 1.07 |
| Pueblo | Arkansas | | | T. | | .07 | | | | | | | T. | | .03 | T. | | | | | | T. | | | .42 | .26 | | | T. | | .39 | | 1.17 |
| Rockyford (near) | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Saint Elmo | Chalk Creek | | | | | | | | | | | | | .02 | | | .51 | | | | | | | | | T. | | | .01 | | | | 0.54 |
| Salida | Arkansas | | | | | | | | | | | | | T. | | | .27 | .27 | | | | | | | | | | | | | T. | | 0.54 |
| Santa Clara | Cucharas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sheridan Lake | Arkansas | | | | | | T. | | | | | | | T. | | | | | | | | T. | | | | | | | | 26 | | | 0.26 |
| Stonewall | Purgatoire | | | T. | | | | | | | | | T. | .09 | T. | .05 | .02 | | | | | | | | .20 | T. | .29 | | .08 | | | | 0.73 |
| Trinidad | ...do | | | T. | | | | | | | | | | T. | | | | | | | | | | | .08 | | | | | T. | | 0.08 |
| Victor | Oil Creek | | | | | | | | | | | | | .20 | | | | | | | | | | | T. | | 1.16 | | | T. | T. | | 1.36 |
| Vilas | Cimarron | | | | | | | | | | | | | | | | | | | | | | | | 1.95 | | | | | 2.48 | .59 | | 5.02 |
| Westcliffe | Grape Creek | | | | | | | | | | | | .08 | | | .05 | .02 | | | | | | | | | .94 | .07 | | .10 | | | | 1.26 |
| Winfield | Clear Creek | T. | | | | T. | | | | | | | | .01 | T. | .01 | .78 | | | | T. | T. | T. | | T. | T. | .03 | .02 | .01 | .01 | T. | | 0.87 |
| Wortman | Arkansas | T. | T. | T. | | | | T. | | | T. | T. | T. | T. | | .57 | T. | T. | | | | T. | T. | | | | T. | T. | .40 | .50 | T. | | 1.47 |
| *New Mexico.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abbott | Canadian | T. | | T. | | | | | | | | | | .18 | .38 | | | | | | | | | | | T. | | | .12 | | | | 0.68 |
| Albert | ...do | | | .16 | | | | | | | | | | | * | 1.85 | | | | | | | | | | | | | | | | | 2.01 |
| Arch (near) | Red | | | .27 | | | | | | | | | | | | | | | | | | | | | | .19 | .15 | | | | | | 0.61 |
| Aurora | Canadian | | | | | | | | | | | | .04 | .06 | .04 | | | | | | | | | | .06 | .10 | | | .24 | | | | 0.54 |
| Bell Ranch | ...do | | | .04 | | 1.14 | | | | | | | | .20 | .80 | | | | | | | | | .06 | .02 | | | T. | .04 | | | | 2.30 |
| Black Lake | ...do | | | | | | | | | | | | | .03 | | | | | | | | | | | | | | | .20 | | | | 0.23 |
| Cabesa | ...do | | T. | .05 | | | | | | | | | T. | T. | | | | | | | | | | .06 | .08 | | .03 | | | | | | 0.22 |
| Campana | ...do | | | .03 | | | | | | | | | | | 1.00 | | | | | T. | | | | | .01 | | | | .27 | | | | 1.31 |
| Chacon | ...do | | | | | | | | | | | | | | .04 | .20 | | | | | | | | | | | .66 | .10 | | .13 | | | | 1.13 |
| Cimarron (near) | ...do | | | T. | T. | | | | | | | | T. | .01 | .03 | .26 | | | | | T. | .03 | | T. | .50 | .21 | T. | | * | 1.13 | | | 2.17 |
| Clayton | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clovis | Red | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cuervo | Canadian | | T. | .05 | T. | | | | | | | | | | | .02 | T. | | | | | .01 | | | .30 | .02 | .02 | | | .03 | | | 0.45 |
| Dawson | ...do | | | | | | | | | | | | | .03 | .46 | | | | | | | | T. | T. | T. | .81 | .22 | | .19 | | T. | | 1.71 |
| Dorsey (near) | ...do | .04 | | .64 | | | | | | | | | .01 | .03 | .40 | | | | | | | | | | T. | | | | .40 | | | | 1.52 |
| Elizabethtown | ...do | | | | | | | | | | | | T. | | | .18 | | | | | | | | | .78 | | | | | | | | 0.96 |
| Folsom | Cimarron | T. | T. | | T. | | | | | | | | T. | .05 | .07 | T. | | | | | T. | T. | | .08 | .13 | .16 | | | T. | T. | | | 0.49 |
| Fort Union | Canadian | | T. | T. | | | | | | | | | T. | .98 | 2.30 | | | | | | | | | | | .12 | | | T. | | | | 3.40 |
| Hayden | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Johnson's Park | ...do | | | T. | | | | | | | | | | | | .04 | | | | | | | | | .28 | | | | T. | | | | 0.32 |
| Lake Alice | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Logan | ...do | | | | | | | | | | | | | | | | .42 | | | | | | | | | | | | | | | | 0.42 |
| Los Alamos | ...do | | | T. | | | | | | | | | | .99 | .43 | 1.35 | | | | | | .01 | | | | .04 | | .18 | | | | 3.00 |
| Lykins (near) | Red | | | | | | | | | | | | | | | .18 | | | | | | | | | .10 | .12 | .38 | .15 | T. | | | | 0.93 |
| Maxwell (near) | Canadian | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Melrose | Red | | | .09 | | | T. | | | | | | | | | .12 | | | | | | | | | .19 | .01 | T. | .04 | T. | | | | 0.45 |
| Miami Ranch | Canadian | | | | | | | | | | | | | .35 | | .15 | | | | | | | | .04 | .21 | | | | .18 | | | | 0.93 |
| Montoya | ...do | | | | | | | | | | | | | | | .09 | | | | | | | | | | .06 | | | | | | | 0.15 |
| Nara Visa | ...do | T. | T. | | | | | | | | | | | | T. | T. | .12 | | | | | T. | T. | T. | | T. | T. | T. | T. | | | | 0.12 |
| Passmonte | ...do | | | | | | | | | | | | | | .77 | | | | | | | | | .25 | | | | | | | | 1.02 |
| Raton | ...do | | | | | | | | | | | | T. | T. | | .05 | | | | | | | | | .16 | .20 | | | T. | | | | 0.41 |
| Rociada | ...do | | | .06 | .08 | | | | | | | | .15 | .35 | .12 | .33 | | | | | | | | | .17 | .10 | .23 | .05 | | | | | 1.64 |
| Roy | ...do | | | .33 | | | | | | | | | | | .20 | 1.89 | | | | | | | | | .04 | | | | | | | | 2.46 |
| San Jon | ...do | T. | T. | .11 | .03 | | .10 | | | | | | | | T. | .02 | .08 | | | T. | | T. | T. | T. | .22 | .05 | .46 | | .20 | .01 | | | 1.28 |
| Solano (1) | ...do | | | .31 | | T. | T. | | | | | | | | .35 | 1.85 | | | | | .07 | | .06 | .05 | .02 | | .10 | | | | | | 2.81 |
| Springer | ...do | | | | | | | | | | | | | .40 | .20 | .30 | | | | | | | | | 1.00 | | | | .20 | | | | 2.10 |
| Taylor | ...do | .10 | .10 | | | | | | | | | | .10 | .30 | | | | | | | | | | | .20 | .10 | .10 | .10 | .05 | .07 | | | 1.22 |
| Trementina | ...do | | .02 | .47 | | | | | | | | | | .20 | | | | | | | T. | T. | T. | .09 | | | | | | | | | 0.78 |
| Tucumcari (1) | ...do | | | .03 | | T. | | | | | | | | | T. | .21 | T. | | | T. | | | T. | | | T. | | | .02 | | | | 0.26 |
| Valley | Cimarron | | | T. | | | | | | | | | T | | | | | | | | | | | | | | | | | | 1.02 | | 1.02 |
| Vermejo Park | Canadian | | | | | | | | | | | | | T. | .11 | .13 | | | | | | | | T. | | .60 | .14 | T. | .80 | | | | 1.78 |
| Wagon Mound (near) | ...do | | | .38 | | .42 | | | | | | | | .35 | .87 | | | | | | T. | | T. | T. | T. | T. | | | .04 | | | | 2.06 |
| *Texas.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amarillo | Canadian | T. | | | | .01 | .02 | | | | | | | .02 | | T. | | | | | | | .01 | | T. | .07 | .25 | | .28 | | | | 0.66 |
| Arthur City | Red | | | | | | 1.10 | | | | | .30 | | | | | | | | | | | | .20 | | .20 | | .70 | | | | | 2.50 |
| Bonham | ...do | .04 | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 |
| Canadian | Canadian | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Channing | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Childress | Red | | | .92 | | | .45 | | | | | | | | | | | | | | | | | | | | .50 | | | | | | 1.87 |
| Chillicothe | ...do | | | .13 | | | 1.50 | | | | | | | | | | | | | | | | | | | | | | .15 | | .19 | | 1.97 |
| Clarendon | ...do | | | | | | .68 | | | | | | | .05 | | | | T. | | | | | .78 | | | T. | | | .26 | | | | 1.77 |
| Clarksville | ...do | | | | .47 | | | | | | | | | | | | | | | | | | .57 | .05 | .54 | | .90 | | .11 | | T | | 2.64 |
| Claude | ...do | | | | | | 1.38 | | | | | | | | | | | | | | | | | | | 1.40 | | .76 | .20 | | | | 3.74 |
| Dalhart | Canadian | | | | | 1.55 | | | | | | | | | | | .10 | .10 | | | | | | | | | .06 | .85 | | .06 | | | | 2.72 |
| Denison | Red | T. | | | | | | .10 | .01 | | | | | | | | | | | | | | | | .08 | .04 | | | | | .04 | | 0.35 |
| Finley | ...do | | | | .25 | | | | | 1.06 | | | | | | | | | | | | | | | | | 1.91 | | | | | | 3.22 |
| Henrietta | ...do | | | | 1.50 | | | 1.80 | | | | | | | | | | | | | | | | | | | | | .06 | | T. | .30 | | 3.66 |
| Hereford | ...do | | | | .10 | | | | | | | | | | | | | | | | | | .10 | | | | | T. | .40 | | .50 | | 1.10 |
| Lewis Ferry | ...do | | | | | .30 | | | | | 1.50 | .10 | | | | | | | | | | | | | .08 | T. | T. | .10 | .10 | .80 | | | | 2.98 |
| Memphis | ...do | | | | .10 | | 1.00 | .02 | | | | | | | | | | | | | | | | | | | | 1.49 | | | | | | 1.61 |
| Miami | Canadian | | | | | .04 | T. | | | | | | | | | | | | | | | | | | .07 | | .06 | T. | | .56 | .25 | | | 0.98 |
| Mobeetie | Red | | | | | | | | | | | | | | | | | | | | | | | | | | | .40 | | | | | | 0.40 |
| Nazareth | ...do | | | T. | | .10 | | | | | | | | | | | | | | | | | T. | | | .92 | .20 | T. | .50 | T. | | | | 1.72 |
| Ochiltree | Canadian | | | | | | .15 | | | | | | | | | | | | | | .12 | | .08 | | .21 | | | .01 | | | | | | 0.57 |
| Pampa | ...do | | | | | .25 | | | | | | | | | | | | | | | | | | | | | .95 | | | | | | 1.20 |
| Paris | Red | | | | | .05 | | | | | T. | T. | | | | | | | | | | T. | | | .68 | | .05 | T. | .10 | | 10 | | | 0.98 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 7*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| ***Texas*—Cont'd.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plemons | Canadian | | | | | .01 | | | | | | | | | | T. | | .32 | | T. | | | T. | | | | .04 | | T. | | | 0.37 |
| Quanah‖ | Red | | | | | | | .40 | | | | | | | | | | | | | | | | | | | | | | T. | | 0.40 |
| Ringo Crossing‖ | do | | | | | .87 | | | | | .64 | | | | | | | | | | .44 | | | .85 | | | .48 | | | | | 3.28 |
| Romero | Canadian | T. | T. | | | | | .19 | T. | | | | T. | | .03 | | T. | .35 | | | | | T. | | T. | | .60 | | .68 | | | 1.66 |
| Sherman | Red | | | | | | | | | | | | | | | | | | | | | | | .05 | | | T. | | | | .20 | | 0.44 |
| Sulphur Springs‖ | do | | | | 1.95 | | | | .10 | | | | | | | | | | | | T. | | | | | | 1.33 | | | | | 3.38 |
| Texline‖ | Canadian | | | | | .36 | | | | | | | | | | .35 | | | | | | | | | | | .32 | | | | | 1.03 |
| Tulia | Red | T. | | T. | .08 | T. | | | | | | | | T. | | T. | | | | | | | .02 | T. | T. | T. | .56 | .48 | .11 | | | 1.25 |
| Wichita Falls | do | | | | 1.60 | | | | | .27 | | T. | | | | | | | | | .55 | | .15 | 1.38 | | T. | .28 | | | | | 4.23 |
| Winfield | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ***Kansas.*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anthony | Arkansas | | | | | | .65 | .03 | | .01 | | | | | | | .01 | | | | | | | | T. | | T. | | .01 | | .15 | 0.70 |
| Ashland | Cimarron | | | | | | .90 | .13 | .05 | | | | | | | | | T. | | .44 | | | | | | | .18 | | | | | 1.42 |
| Burlington | Neosho | | | | .62 | .07 | | .31 | | | .33 | | | | | | | | | .52 | | | | | | | .37 | .30 | | | | 2.44 |
| Chanute | do | | | | .92 | T. | .03 | .54 | .03 | T. | .20 | | .22 | | | | | | | T. | | | | | T. | .31 | .22 | .49 | | .50 | .25 | | 2.95 |
| Cimarron | Cimarron | | T. | | | | 14 | | | | | | | T. | | | | | | | | | | | T. | .22 | .10 | | | .03 | | 1.42 |
| Coldwater | do | | | | | | .60 | | .06 | .43 | | | | | | | | | | | | | | | | | .69 | | T. | | | 1.44 |
| Columbus | Neosho | .11 | T. | | .04 | | .02 | .48 | .54 | .11 | .08 | | .03 | | | | | | | .07 | .24 | | | | | .10 | | | | .11 | .02 | 2.41 |
| Coolidge | Arkansas | | | | | | 1.00 | .02 | | | | | | | | | | | | | | | | | T. | | | .01 | | | | 1.25 |
| Cottonwood Falls | Neosho | .02 | T. | .02 | .11 | | .04 | .92 | .03 | .01 | .10 | | | | | | | | | .46 | .37 | | | | | | | .35 | | | | 2.09 |
| Council Grove | do | | | | | | | .50 | T. | | .05 | .08 | | | | | | | | T. | | | | | T. | | T. | | T. | | | 0.98 |
| Cunningham | Arkansas | | | | | | .30 | .05 | | T. | | | | | | | | | | | | | | | T. | 1.02 | .20 | | | | .65 | | 0.35 |
| Dodge City | do | | | T | T. | .23 | .16 | | | | | | | | .01 | | | | | | | | | | .64 | | | | | | | 2.27 |
| El Dorado | do | | .02 | | T. | | 11 | 1.50 | | | .04 | | | | | | | | 1.12 | .03 | T. | | | | T. | .15 | T. | | | | | 3.46 |
| Ellinwood | do | | | .04 | | | 12 | .05 | .03 | .01 | | | | | | | | .15 | | 11 | | | | | 21 | | .18 | T. | | | | 0.66 |
| Emporia | Neosho | | | | .29 | | | .33 | .12 | | .05 | | | | | | | | | .18 | | | | | .01 | | T. | .18 | | | | 1.36 |
| Eureka | Verdigris | | T. | T. | .02 | | .06 | .45 | T. | | .04 | | | | | | | | .09 | T. | T. | | | | .05 | | T. | T. | | | | 0.85 |
| Fall River | do | | T. | T. | T. | | .15 | .45 | .25 | .02 | .05 | | | | | | | | .25 | .02 | | | | | .05 | | T. | | | 1.57 | | 1.24 |
| Fargo | Cimarron | | T. | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | 1.57 |
| Fredonia | Virdigris | .04 | .01 | | .10 | T. | .05 | .58 | T. | .02 | .12 | | | | | | | | .07 | .09 | | | | | .18 | | 1.75 | .08 | | | | 3.09 |
| Garden City | Arkansas | | | | | T. | .90 | .08 | T. | | | | | | | | | .15 | | | T. | | .15 | .15 | .41 | | | | T. | .35 | | 2.19 |
| Great Bend‖ | do | | | .03 | | .26 | .03 | .04 | | | | | | | | | | | | .27 | | | .03 | | | .42 | | .08 | | | | 1.16 |
| Greensburg | do | | | | | | 1.56 | .06 | | | | | | | | | | | | T. | | | | | | | | | T. | | | 1.62 |
| Grenola | Verdigris | | T. | | | | .25 | .65 | | T. | .13 | | | | | | | | .91 | | | | | | 14 | | | T. | | | | 2.08 |
| Howard | do | | | | | | | | | | | | | | | | | | | | | | T. | | .35 | T. | .37 | | | 3.16 | | 3.88 |
| Hugoton | Cimarron | | | | T. | | | | T. | | | | | | | | | | | | | | | | | | 24 | | | | | 0.89 |
| Hutchinson | Arkansas | | | | | | 17 | .25 | | | .02 | | | | | | | | .20 | .01 | | | | | .07 | | .67 | T. | | | | 2.96 |
| Independence | Verdigris | T. | T. | | .01 | .01 | .08 | .50 | .82 | .02 | .20 | T. | | | | | | | .47 | .11 | T. | | | | | | | | | | | 1.62 |
| Iola | Neosho | T. | .01 | T. | .18 | | .05 | .44 | .04 | .01 | .01 | | T. | | | | | | .04 | .51 | | | | | | T. | .02 | .09 | | | .08 | | 1.74 |
| Jetmore | Arkansas | | | T. | T. | | 1.50 | .05 | | T. | | | | | | | | | | T. | | | | T. | .04 | | 1.44 | | | | | 1.91 |
| Kingman | do | | | | T. | | .35 | .08 | | | | | | | | | | | | | | | | | | | .31 | .42 | | | | 0.98 |
| La Crosse | do | T. | | | | | .18 | .04 | | | | | | | | | | | | | | | .03 | | | | | | | | | 1.53 |
| Lakin | do | | | | | .48 | | | | | | | | | | | | | | | | T. | | | .12 | .52 | | | .03 | .38 | | 1.44 |
| Larned | do | | | | T. | | .28 | T. | .01 | .01 | | | | | | | | | | .22 | | | .41 | | | .18 | .09 | .24 | | | | 3.84 |
| Lebo | Neosho | T. | .04 | T. | .09 | T. | .02 | .26 | .10 | T. | .14 | | T. | | | | | | T. | 2.45 | | | | | T. | .63 | .11 | | | | | 2.32 |
| Le Roy‖ | do | | .01 | | .16 | .03 | T. | .07 | .40 | T. | T. | .10 | | .08 | | | | T. | .96 | .51 | | | | | | T. | T. | | | | | 1.39 |
| Liberal | Cimarron | | | | | | | | | | | | | | | | | | | T. | | .04 | | | 28 | T. | .27 | | | T. | .80 | 1.58 |
| McPherson‖ | Arkansas | | .03 | | | | .08 | .07 | .06 | | | | | | | | | | 1.34 | | | | | | | | | T. | | | | 0.91 |
| Macksville‖ | do | T. | | T. | | | .22 | .13 | T. | .02 | T. | | | | | | | | | .11 | | | .13 | | T. | .30 | | | | | | 1.28 |
| Madison | Verdigris | T. | T. | | .09 | T. | .05 | .58 | T. | .09 | .14 | | | T. | | | | | T. | .14 | | | | | | | .19 | T. | | | | 1.32 |
| Marion | Neosho | | .02 | | .01 | | .03 | .96 | .01 | | .12 | | | | | | | | .12 | .03 | | | | | T. | | .02 | | | | | 0.94 |
| Medicine Lodge | Arkansas | | | | | | 94 | | | T. | | | | | | | | | | T. | | | | | | T. | T. | | | | | 0.85 |
| Medora‖ | do | | T. | T. | T. | .13 | .26 | | .12 | | | | | | | | | | .28 | T. | | T. | | | | | | .06 | | | | 2.02 |
| Mt. Hope | do | | | | | | .20 | 1.00 | | | | | | | | | | | .64 | | | | | | | | .08 | | .10 | | | |
| Neosho Rapids‖ | Neosho | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ness City | Arkansas | | | | | | .40 | .04 | .15 | | | | | | | | | | | | | | | | .09 | .15 | | | | .16 | | 0.99 |
| Newton | do | .37 | | | | | .13 | .86 | | | | | | | | | | | | .35 | | | | | | | .16 | | | | | 1.87 |
| Norwich | do | T. | T. | | T. | | .44 | .02 | | .05 | .02 | | | | | | | | T. | | | | | | T. | | 1.33 | .03 | | | | 1.89 |
| Oswego | Neosho | .10 | .02 | | .05 | .05 | .05 | .43 | .15 | .08 | .15 | | .29 | | | | | | | .16 | .02 | .05 | | | | | .18 | | | | | 1.78 |
| Pratt | Arkansas | | | | | .20 | | T. | T. | | T. | | | | | | | | | | | | | | | | | | | | | 0.20 |
| Rome | do | | | | | | .49 | .30 | | .02 | .08 | | | | | | | | | | | .17 | | | | | | | | | | 1.06 |
| Sedan‖ | Verdigris | T. | | | | T. | | .30 | .45 | | | .16 | | | | | | | | .30 | .05 | | | | .90 | .26 | | | .20 | | | 2.62 |
| Toronto‖ | do | | | | | T. | | .12 | .43 | | | | | | | | | | | | | | | | .95 | | .10 | | .12 | | | 1.72 |
| Ulysses‖ | Cimarron | | | T. | | 42 | | | | | | | | | | | | | | | | T. | T. | | .52 | | .70 | | .68 | .57 | | 2.89 |
| Walnut | Neosho | T. | T. | T. | .40 | | .10 | .59 | .05 | .02 | .21 | | | | | | | | | | T. | .53 | | | | T. | .76 | T. | | | | | 2.66 |
| Wichita | Arkansas | | T. | | T. | | .26 | 1.19 | | .04 | .08 | | | | | T. | | T. | .21 | T. | .15 | | | | | | .01 | T. | | | | | 1.94 |
| Winfield | do | | | | | | .35 | 1.05 | T. | | .10 | | | | | | | | .05 | | T. | | | | .37 | | | | | | | 1.92 |
| Yates Center | Verdigris | .05 | | T. | .03 | | | .47 | .03 | T. | .09 | | | | | | T. | T. | .07 | .57 | | | | | .17 | | .12 | .30 | | | | 1.90 |
| ***Oklahoma.*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ada | Canadian | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alva | Arkansas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apache | Red | | | | T. | | .09 | | .83 | | | | | | .02 | | | | | | | | | | | | .12 | T. | | .22 | T. | | 1.28 |
| Arapaho | Washita | | T. | | | | .31 | | | | T. | | | | T. | | | | | | | | | | | | T. | .06 | | 1.78 | .85 | | 3.00 |
| Ardmore‖ | Red | | | | | | | T. | T. | | | | | | | | | | | | | | | | 05 | | .03 | | | | | 0.08 |
| Bartlesville | Arkansas | | | | | | | | | | | | | | | | | | | T. | | | | | | .34 | | .08 | | | | 1.70 |
| Beaver | Canadian | | | | | | .05 | | .39 | .14 | .42 | .28 | | | | | | | | | | | T. | | T. | .25 | | | | .25 | .75 | | 1.37 |
| Blackburn | Arkansas | | T. | | | | | 12 | | | | | | | | | | | | | | | | | 1.54 | | | | | | | 2.75 |
| Cache | Red | .17 | | | | | .40 | .20 | | .03 | .31 | | | | | | | | | | | | | | | | | | .14 | .22 | | 0.52 |
| Calvin | Canadian | | | | | | 16 | | | | | | | | | | | | | | | | | | 22 | | | | | | | 1.92 |
| Chandler‖ | do | T. | | | | | | 28 | | | | 12 | | | | | | | | | | | | | | | | 1.30 | | | | 1.92 |
| Chattanooga | Red | | | | | | | 35 | | | 10 | 15 | | | | | | | | T. | | | | | | | | 55 | | | | 1.15 |
| Chickasha | Washita | | | | | .38 | | 75 | | | | | | | | | | | | | | | | | | | | 17 | | | 10 | 1.92 |
| Cloud Chief | do | | T. | | | | 26 | | | | | | | | T. | | | | | | | | .... | | | | | | | | | |
| Dacoma | Cimarron | | T. | | | | 1.60 | | | | | | | | | | | | | | | | | | .15 | T. | T. | T. | 1.11 | .22 | | 1.74 |
| Durant‖ | Red | .02 | | | | | | .05 | T. | | | .01 | | | | | | | | | | | | | | | .02 | | | | | 1.80 |
| Eldorado | do | | | | | | | | | | | | | | | | | | | | | | 1.10 | | 21 | | | .01 | | | | 0.32 |
| El Reno | Canadian | | | | | | .76 | .49 | .07 | | | | | | | | | | | | | | | | | | | 10 | | | | 2.52 |
| Enid | Cimarron | | | | | | .26 | .37 | | | | | | | | | | | | | | 34 | | | | | | | .15 | | | 1.12 |
| Erick | Red | | | | | .60 | T. | .11 | | | | | | | | | | | | | | | | | | T. | | | | .61 | | 1.32 |
| Fairland | Arkansas | .54 | T. | | 1.05 | | .01 | .53 | .06 | .41 | .34 | | | | | | | | | 27 | | | | | 15 | | .94 | | | | | 4.30 |
| Fort Gibson | do | .06 | | | | | | .11 | .06 | | .82 | .17 | | | | | | | | T. | | | | | .13 | .54 | | .08 | .06 | T. | | | 2.03 |
| Frederick | Red | | | | .22 | T. | | .31 | .06 | | T. | | | .08 | | | | | | | | | | | | | .08 | | T. | 1.28 | .07 | | 2.02 |
| Gage | Canadian | | | | | | | 40 | | | | | | T. | | | | | | | | | | | | .15 | .07 | .26 | | T. | .75 | | 1.63 |
| Goodwell | do | | T. | .03 | | | | | | | | | | | | | .03 | | | .07 | | | | | | .01 | .12 | | | | | 0.26 |
| Guthrie | Cimarron | | | | | .20 | | | | | T. | | | | | | | | | | | | | | | .10 | | .05 | | | | 0.35 |
| Guymon | Canadian | | | | | | | | | | | | | | | | | | | .23 | | | | | | .20 | | | .45 | .57 | | 1.45 |
| Harrington | Red | | | | | | .15 | | | | | | | | | | | | | | | | | | | .25 | | | | | | 0.40 |
| Hartshorne | Canadian | T. | | | | .03 | T. | | | .25 | .65 | | | | | | | | | | .15 | | | | .65 | | .50 | 1.20 | | | | 3.28 |
| Healdton | Red | | | | | | | .15 | .12 | | | | | | | | | | T. | .08 | | | | | .10 | | T. | .42 | | | | 0.84 |
| Helena | Cimarron | | | | | | .92 | | | .30 | | | | | | | | | | | .80 | | | | | | .15 | | T. | | | 1.55 |
| Hennessey | do | | | | | | .82 | | | T. | | | | | | | | | | | | | | | T. | .03 | .05 | T. | | | | 1.67 |
| Hobart | Red | | | | | T. | .06 | | | T. | | | | T. | | | | | | | | | | .04 | | | T. | | .02 | | .86 | | 0.95 |
| Holdenville‖ | Canadian | .03 | | | | | | .25 | | | | .10 | | | | | T. | T. | | .05 | | .02 | T. | T. | .11 | T. | .02 | | .01 | | .82 | | 0.44 |
| Hooker | do | | T. | T. | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | 1.03 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 7*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Oklahoma*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hurley | Canadian | | T. | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | . | T. |
| Idabel | Red | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jefferson | Arkansas | .04 | | | | | .98 | | | .17 | | | | | | | | | T. | | .10 | | | | | | T. | | | | | | 1.29 |
| Kenton | Cimarron | | | | T. | .18 | | | | | | | | | | | | | | | | | | .07 | .06 | | | | .04 | .29 | .04 | 0.68 |
| Kingfisher | ...do | | | | | | 1.80 | | | .09 | T. | | | | | | | | T. | | .13 | | | | | .40 | | | | | | 2.42 |
| McAlester | Canadian | .03 | | | T. | T. | .10 | T. | | .18 | .03 | | | | | | | | | | | | T. | .72 | .42 | .40 | | | | | | 1.88 |
| McComb | ...do | | | | | .30 | | | | .74 | | | | | | | | | | | | | | | | | | | | | | 1.04 |
| Mangum‖ | Red | | | | | | .02 | | | | | | | | .08 | | | | | | | | | | | | | | | .02 | | 0.12 |
| Marlow‖ | Washita | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meeker | Canadian | | | | | | .30 | | | | .15 | | | | | | | | | | | | | | | | | | | | | 0.45 |
| Muskogee | Arkansas | | | | | | .32 | | | .42 | .22 | | | | | | | | .03 | | | | | T. | .54 | | T. | | | | | 1.53 |
| Mutual | Canadian | | | | | | .38 | | | | | | | | | | | | | | | | | | | .22 | | .25 | | | .15 | 1.00 |
| Neola | Washita | | | | .12 | | .17 | | | | | | | .04 | | | | | | | | | | | | .07 | | T. | | .48 | T. | 0.88 |
| Newkirk | Arkansas | .40 | | | | | .40 | .20 | | T. | | .16 | | | | | | | | | | | | | .15 | | | .51 | | | | 1.82 |
| Norman | Canadian | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oakwood | ...do | | | | | | 2.71 | | | T. | | | | .07 | | | | | | | | | | | | .06 | | | | | | 2.84 |
| Okeene | Cimarron | | T. | | .02 | | 1.85 | .49 | | T. | T. | | | T. | | | | | | | T. | | | .02 | | | T. | T. | | | | 2.38 |
| Oklahoma | Canadian | | | | | | .62 | .01 | | .17 | .01 | | | | | | | | | | .10 | | T. | | T. | | .18 | T. | | | | 1.09 |
| Okmulgee | ...do | .14 | | | | | .44 | .02 | | .01 | .19 | | | | | | | | .10 | | | | | | | | .65 | | | | | 1.55 |
| Pauls Valley | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pawhuska | Arkansas | .19 | | | | | .22 | .54 | | .07 | .08 | | | | | | | | | | | | | | 1.11 | | | | | | | 2.21 |
| Perry | ...do | | | | | | 1.06 | | | | .11 | | | | | | | | | | | | | | .04 | | .05 | .01 | | | | 1.27 |
| Ravia | Washita | .06 | | | | | .07 | .18 | | | .03 | | | | | | | | | | | | | .02 | | | | | | | | 0.36 |
| Sac & Fox Agency | Canadian | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shawnee‖ | ...do | .04 | | | | | | .39 | | | T. | .26 | | | | | | | | | | | | | | | | | | | | 0.69 |
| Snyder | Red | | | .08 | | | .10 | | | | | | | .02 | | | | | | | | | | | | | | T. | | .06 | .76 | 1.02 |
| Stillwater‖ | Cimarron | | | | | | T. | .48 | | | | .24 | | | | | | | | | .01 | | | | .19 | T. | | .13 | | | | 1.05 |
| Supply | Canadian | | | | | | .30 | | | | | | | .12 | | | | | | | | | | | 1.90 | | .10 | .32 | | | .35 | 3.09 |
| Tulsa (1)‖ | Arkansas | .17 | | | | | | .33 | .31 | T. | 1.30 | .40 | | | | | | | | | | | | | .22 | .09 | T. | .40 | | | | 3.22 |
| Vinita | ...do | T. | | | | | T. | .55 | T. | .10 | .20 | | | | | | | | T. | | | | | T. | T. | | .65 | T. | | | | 1.50 |
| Wagoner | ...do | .05 | | | T. | | .09 | .11 | | .25 | .41 | | | | | | | | .16 | | | | | .16 | | | .22 | .22 | | | | 1.67 |
| Waukomis | Cimarron | | | | | | .45 | | | | | | | | | | | | T. | | .23 | | T. | | T. | T. | 1.03 | T. | | | | 1.17 |
| Waurika | Red | | | | .05 | | | .15 | .02 | | | | | | | | | | | | | | | | | | | 1.60 | | .29 | | 2.11 |
| Weatherford‖ | Canadian | | | | | | .71 | .26 | .32 | | | | | .09 | T. | | | | | | | | | | | .10 | | | T. | | T. | 1.51 |
| Webbers Falls | Arkansas | | | | | | | | | .50 | | | | | | | | | .40 | | | | | | | .10 | .10 | | .20 | | | 1.30 |
| Whiteagle | ...do | .05 | | | | | .84 | .11 | | .02 | .10 | | | | | | | | | | .02 | | | | .02 | | .11 | .28 | | | | 1.55 |
| Woodward | Canadian | | | | | | .05 | | | | | | | .11 | | | | | | | | | | | | | .39 | .05 | | | .57 | 1.17 |
| *Missouri.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Belle | Meramec | | | T. | 2.45 | .08 | | .15 | .30 | 1.18 | .99 | | | | | | | | T. | | | | T. | | | | | .80 | | | | 5.95 |
| Birchtree | Black | | | | | 2.40 | | .18 | .05 | 2.30 | .82 | | | | | | | | .07 | .08 | | | | | | | .26 | .26 | | | | 6.42 |
| Cape Girardeau‖ | Mississippi | | | | | .52 | | | T. | .58 | | | | | | | | | | | | | T. | | | .01 | | 1.20 | 2.12 | | | 4.43 |
| Caruthersville | ...do | | T. | T. | .30 | | | | | 1.32 | .88 | | | | | | | | T. | | | T. | | | | T. | | .40 | .02 | | | 2.92 |
| Dean | Neosho | | | | .05 | .03 | | .31 | .61 | 1.08 | .24 | T. | | | | | | | .12 | | | | | .96 | | | 1.13 | .82 | .04 | | | 5.39 |
| Doniphan | Black | | | T. | .55 | .03 | .15 | .10 | .08 | 1.40 | .25 | | | .02 | | | | | | | .11 | | T. | .10 | | | | .22 | | | | 3.01 |
| Farmington | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gano | Meramec | | | | .11 | .12 | | .39 | .19 | 1.95 | .33 | | | | | | | | | | .59 | | .24 | | | .04 | .04 | | 1.15 | | | 5.15 |
| Goodland | Black | | | | | .20 | | * | * | * | 2.09 | | | .35 | | | | | | | .04 | | .20 | | | | .90 | .20 | | | | 3.98 |
| Greenville | Mississippi | | T. | .05 | T. | | | | .32 | 1.40 | T. | | | T. | | | | | | | | | | | | | | .85 | | | | 2.62 |
| Hollister | White | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironton‖ | Mississippi | T. | | | | T. | .05 | | .10 | 1.60 | .75 | .05 | | | | .10 | | | | | T. | | | .32 | | | | .45 | .20 | | | 3.62 |
| Jackson | ...do | .03 | | | .12 | | | .08 | .52 | | | | | .30 | | | | | | | | | | | | | .54 | 1.03 | | | | 2.62 |
| Joplin | Neosho | | | | .10 | .42 | | .42 | 1.95 | .50 | .15 | | .15 | | | | | | .10 | | | | | | | | .15 | | | | | 3.94 |
| Koshkonong | Black | | T. | | .02 | 1.26 | T. | .09 | .36 | 2.00 | 1.20 | | | | | | | | 1.97 | | | | T. | .01 | | T. | T. | 2.00 | .10 | T. | | 9.01 |
| Lamar‖ | Neosho | .04 | T. | | .49 | 1.55 | | .03 | .51 | .04 | T. | .06 | | | | | | | | | | | | | | T. | 1.32 | | T. | | | | 4.04 |
| Marble Hill | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mountaingrove | White | | | | | | .32 | | .06 | .44 | 2.15 | 1.15 | | | | | | | .41 | | | | | T. | | .26 | | .06 | T. | | | 4.85 |
| Mount Vernon | Neosho | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Neosho | ...do | .26 | T. | .10 | .09 | | T. | .21 | 2.20 | 1.34 | .25 | | | | | | | | .18 | | | | | | .05 | | 2.55 | .91 | | | | 8.14 |
| New Madrid‖ | Mississippi | | | .20 | | | | | .04 | 1.05 | .04 | .18 | | | | .05 | | | | | | | | | | .66 | | .52 | 3.05 | | | 5.79 |
| Oakfield | Meramec | | T. | .09 | 1.14 | .17 | .02 | | .40 | .77 | T. | | | | | | | | | | .01 | | .31 | | T. | | T. | 1.55 | | | | 4.46 |
| Olden | White | | | | | .32 | | .12 | .60 | 3.31 | .25 | | | | | | | | T. | | | | | | | | | .10 | | | | 4.70 |
| Perryville | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rolla | Meramec | | | T. | 1.52 | .19 | | .28 | .19 | 2.09 | 1.50 | | | | | | | | T. | | | | | | 1.37 | .17 | .95 | | | | | 8.26 |
| Sikeston | Mississippi | | .03 | T. | 1.30 | | T. | | T. | 1.00 | | | | | | | | | | | T. | | | | .42 | 1.33 | .25 | .30 | | | | 4.65 |
| Springfield | White | .01 | T. | .02 | .86 | | T. | .15 | 1.10 | .10 | .05 | | .01 | | | | | | T. | | | | T. | | .05 | .08 | .13 | | | | | 2.56 |
| Steelville | Meramec | T. | T. | T. | .16 | .07 | T. | .03 | .25 | 2.05 | .28 | | | | | | | | | .05 | | | T. | | T. | .06 | 1.61 | | | | | 4.56 |
| Willow Springs | White | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Kentucky.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blandville | Mississippi | | .03 | | 1.20 | .02 | | | | 1.38 | .35 | | | | | | | | | | T. | | | | .24 | T. | .25 | .06 | | | | 3.53 |
| Lynnville | ...do | | .34 | T. | .44 | .02 | | | T. | .67 | .03 | | | | | | | | | | .05 | .26 | | .10 | .02 | .16 | | .61 | .91 | | T. | | 3.61 |
| *Tennessee.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arlington‖ | Mississippi | | | T. | | .62 | | | | .58 | .70 | T. | T. | | | | | | | | | | | | | .20 | T | | T. | .18 | .08 | | 2.36 |
| Bolivar‖ | ...do | | | .56 | T. | .24 | | | | .87 | 1.30 | 1.40 | | | | | | | | | | | T. | | | .89 | | | .20 | .25 | .52 | | 6.23 |
| Brownsville‖ | ...do | | | .15 | T. | .50 | T. | | T. | 1.32 | .84 | .10 | | | | | | | | | | | | | | | | | .50 | T. | .75 | | 4.16 |
| Covington‖ | ...do | | | .10 | | .05 | | | | 1.22 | .93 | .26 | | | | | | | | | | | | | | .02 | T. | | .60 | | .22 | | 3.54 |
| Dyersburg‖ | ...do | | | | | .75 | | | | 1.30 | .42 | .40 | | | | | | | | | | | | | | T. | | | T. | | .15 | | 3.02 |
| Jackson | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kenton | ...do | | .01 | .14 | .18 | | | | .23 | 1.18 | .12 | .01 | | | | | | | | | | | | | | | | | | | | | 2.63 |
| Memphis | do | | T. | .02 | .56 | .01 | | | .13 | 1.36 | .06 | | | | | | | | T. | .63 | .06 | .12 | | .01 | T. | T. | .65 | | .08 | .44 | | | 4.13 |
| Milan‖ | ...do | | T. | | .03 | | .65 | .05 | T. | 1.04 | .45 | .35 | .05 | | | | | | | T. | | .04 | | .04 | | | | .63 | .05 | .05 | | 3.43 |
| Trenton | ...do | | | | .67 | | | | | | .82 | | | | | | | | | | | .20 | | | | | | 1.35 | .18 | .20 | | 3.22 |
| Union City | ...do | | .05 | | .05 | | | | .10 | .88 | .15 | | | | | | | | | | | | | | | .60 | | 1.47 | .13 | | | | 3.63 |
| *Arkansas.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alicia | White | | | | | | | | | 2.50 | | | | | | | | | .20 | | | .25 | | | | .20 | | 1.05 | | | .75 | | 4.93 |
| Amity | Ouachita | T. | | | T. | .30 | | | | .80 | .11 | .12 | | | | | | | | | | T. | T. | .11 | T. | .19 | | | .17 | | .20 | | 2.00 |
| Arkadelphia (near) | ...do | | | | | .12 | | | | 1.18 | | .15 | | | | | | | | .39 | | .61 | | .18 | .06 | .55 | | 2.04 | | T. | | 5.28 |
| Arkansas City‖ | Mississippi | | .04 | | | 1.50 | | | | | .80 | .44 | | | | | | | | | 1.18 | | 1.06 | .48 | .50 | 1.60 | | .14 | .40 | | | 8.14 |
| Batesville (2)‖ | White | .01 | T. | .01 | | .02 | | | .50 | 1.02 | 1.10 | .76 | | | | | | | | .12 | | | .04 | .20 | .46 | | .22 | .96 | .66 | .02 | .06 | | 6.16 |
| Bee Branch | Arkansas | .70 | | | T. | .25 | | | .50 | .90 | 1.10 | 1.15 | | | | | | | T. | | | | | .10 | T. | .80 | .65 | | .50 | | .20 | | 6.85 |
| Benton | Ouachita | .15 | | | .17 | | | | | 2.59 | | .50 | | | | | | | | | | | | .10 | | | | .20 | | | | 3.62 |
| Bentonville | Arkansas | T. | T. | | T. | .01 | T. | | .35 | .66 | .47 | .23 | | | | | | | .01 | | | | 1.41 | .16 | .04 | .43 | .43 | .42 | | | | 4.21 |
| Bergman | White | | | | 3.15 | | | .11 | .77 | 1.31 | T. | | | | | | | | | | | | | | | .63 | .05 | T. | | | | 5.02 |
| Black Rock‖ | ...do | | | | | .24 | | | .31 | .96 | .84 | .20 | | | .04 | | | | | .21 | | | .61 | | | .09 | | .31 | .09 | | | 3.90 |
| Brinkley‖ | ...do | T. | .11 | T. | | .16 | | | | 1.28 | 1.64 | .18 | | | | | | | | T. | T. | T. | 1.41 | .20 | | .48 | | T. | .40 | .11 | | 5.97 |
| Calico Rock‖ | ...do | | | | | T. | | T. | .94 | 1.08 | 1.12 | .20 | | | | | | | | .20 | | | | | | | | T. | .12 | | | 3.66 |
| Camden‖ | Ouachita | | | | | .34 | | | | | 1.06 | .14 | | | | | | | | | .24 | | .92 | | .64 | 1.24 | | | .12 | .90 | | 5.60 |
| Centerpoint | Red | | | | 1.00 | | | | | T. | T. | | | | | | | | | | | | | | | | | | | | | | |
| Clarendon‖ | White | .04 | .09 | T. | | .80 | | | | 1.09 | .41 | .20 | | | | | | | | | .06 | .42 | | .26 | | | .22 | .26 | .92 | T. | .03 | | 4.89 |
| Conway | Arkansas | .16 | T. | | .84 | .03 | | | T. | 2.16 | .45 | .11 | | | | | | | 1.04 | .18 | .01 | | | | T. | .02 | .01 | .20 | .04 | T. | | .68 | | 5.73 |
| Corning | White | | T. | T. | .09 | | T. | .11 | .13 | 1.12 | .06 | T. | | T. | .02 | | | | T. | | | T. | T. | .20 | .04 | | | | .04 | .12 | | | 1.98 |
| Dardanelle‖ | Arkansas | .22 | .10 | | | .54 | | | | .04 | 1.34 | .64 | | | | | | | | .90 | | | | | .15 | 1.86 | | | | | | | 5.79 |
| Dennard | White | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dodd City | ...do | .07 | | | | 1.00 | | | 1.00 | 2.00 | .30 | | | | | | | | | | | | | | T. | | .10 | | 2.80 | .18 | | | 7.45 |
| Dutton | ...do | | | | .55 | | | | | 1.80 | | | | | | | | | .72 | | | | .10 | T. | .35 | 1.24 | .35 | .25 | | | | | 5.36 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 7*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Arkansas*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Earl | St. Francis | | | | .32 | | | | | 1.97 | .66 | | | | | | | | .13 | .64 | | .32 | | | | .02 | | | .06 | | | | 4.12 |
| Eldorado[‖] | Ouachita | .05 | | | | .95 | | | | | 1.04 | .12 | T. | | | | | | | | 1.14 | | 2.38 | .12 | | 1.14 | T. | T. | .20 | .11 | | | 7.25 |
| England[‖] | Arkansas | .10 | .08 | T. | | .85 | | | | T. | 2.45 | .45 | | | | | | | | T. | .45 | | .08 | | T. | T. | | .50 | 1.10 | T | | | 6.06 |
| Eureka Springs | White | .24 | T. | T. | .32 | T. | T. | .34 | .78 | .70 | .12 | | .15 | | | | | | | T. | T. | | | T. | .15 | .63 | .12 | 1.30 | T. | | | | 4.85 |
| Fayetteville | ...do | .15 | .09 | | .02 | | | .18 | .08 | .72 | .27 | | | | | | | | .29 | | | | | .11 | | .04 | .26 | .11 | | | | | 2.32 |
| Fort Smith | Arkansas | .32 | T. | | .40 | | .01 | | | 1.23 | .07 | | | | | | | | .01 | | | .21 | | T. | .04 | | | .01 | .74 | | T. | | 3.04 |
| Fulton[‖] | Red | | | | | .20 | | | | | .10 | | | | | | | | | | | | | .20 | 1.00 | | | .30 | .60 | | | | 2.40 |
| Hardy | White | | | | .50 | .10 | | .05 | .30 | 2.11 | .10 | | | | | | | | .24 | | .17 | .11 | T. | T. | | .15 | 1.25 | .25 | T. | | | | 5.33 |
| Helena (2)[‖] | Mississippi | | .06 | | | 1.42 | | | | .42 | .74 | .20 | | | | | | | | | T. | | .32 | T. | .04 | | | .14 | | .42 | | | 3.76 |
| Hot Springs | Ouachita | | .41 | | .08 | .10 | | | | 1.85 | | .26 | | | | | | | | .05 | .11 | | | | .12 | 4.50 | | | .90 | | .16 | | 8.54 |
| Huttig | ...do | | | | 1.83 | 1.57 | | | | | 1.94 | .31 | | | | | | | | .23 | .09 | | | .04 | .16 | 1.33 | .81 | .01 | | | | | 8.32 |
| Jonesboro | White | | | | .66 | | | | .28 | 1.78 | .49 | | | | | | | | .05 | | .28 | | | 1.40 | .50 | .70 | T. | T. | 1.50 | | .20 | | 3.94 |
| Junction | Ouachita | | | | .92 | | | | | | 1.05 | | | | | | | | | .92 | | | | | | | | | | | | 7.19 |
| Lake Farm | Arkansas | | | | 2.07 | | | | | 2.04 | .11 | | | | | | | | .23 | | | .87 | | .33 | | .52 | | .10 | | | | 6.27 |
| Lewisville | Red | | | | .11 | .09 | | | | | 1.12 | .03 | | | | | | | | .34 | | | .18 | .25 | .10 | .82 | .10 | .18 | .94 | | .26 | | 4.52 |
| Little Rock | Arkansas | .06 | .03 | | .32 | .03 | | | T. | 2.14 | .18 | .22 | | | | | | | .02 | T. | | .20 | | .08 | .68 | | .53 | 2.60 | | | .16 | | 7.25 |
| Lutherville | ...do | .23 | | | .78 | | | | | | 1.73 | .25 | .47 | | | | | | .23 | | | | | .90 | | | | .03 | .28 | | .12 | | 5.02 |
| McNeil | Ouachita | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Malvern[‖] | ...do | .10 | .33 | | | .30 | | | | | 1.10 | .22 | | | | | | | | | | 37 | | | | 77 | T. | | .25 | | | | 3.44 |
| Mammoth Spring | White | | | | .13 | .42 | | .09 | .38 | 2.08 | .09 | | | | | | | | 1.10 | | | .08 | | .18 | | .14 | .13 | 1.48 | | | | | 6.30 |
| Marked Tree[‖] | St. Francis | | | 1.97 | | .21 | | | | 1.62 | .86 | .08 | | | | | | | | .23 | | .21 | .06 | | | | | | .80 | .32 | .18 | | 6.54 |
| Mena | Ouachita | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mossville | White | T. | T. | | T. | | | .42 | | 2.24 | .61 | | | | | | | | T. | | 31 | | 44 | | T. | | .52 | .82 | | | | | 5.36 |
| Mount Nebo | Arkansas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Newport (1)[‖] | White | .02 | | .03 | | .15 | | | .20 | 1.10 | 1.25 | .73 | | | | | | | | | | | .06 | | | | .02 | .03 | .41 | | .06 | | 4.06 |
| Ozark | Arkansas | .08 | | | .30 | | .03 | | .15 | 2.27 | 1.07 | .15 | | | | | | | T. | | | | | | | | | 80 | T. | | .40 | | 5.25 |
| Pine Bluff[‖] | ...do | | .08 | | | 1.00 | | | .11 | 1.20 | .44 | | | | | | | | | | 80 | | 34 | .56 | | | | | .06 | | | | 4.59 |
| Pocahontas | White | | | | .15 | | .20 | | .37 | 1.36 | .15 | | | | | | | | .05 | | | | 10 | | | | | 25 | .04 | | | | 2.67 |
| Pond | Arkansas | .16 | .03 | .07 | T. | | T. | .46 | .20 | .13 | | .47 | | | | | | | .07 | | | | | | .05 | .06 | | 1.01 | .02 | | | | 2.73 |
| Portland[‖] | Ouachita | | .03 | | | 2.02 | | | | | .94 | .88 | .05 | | | | | | | | 10 | | 83 | .15 | | .12 | | | .36 | 1.04 | | | 6.52 |
| Prescott[‖] | ...do | | T. | | | .33 | | | | | .33 | .02 | | | | | | | | | 93 | | T. | .64 | 1.42 | .06 | | 74 | | | | | 4.47 |
| Rogers | Arkansas | .44 | .02 | | .02 | | T. | .23 | .43 | .42 | .12 | | | .04 | | | | | 44 | | | | 05 | | 12 | .30 | .03 | .02 | | | | | 2.24 |
| Spielerville | ...do | .07 | .05 | | .26 | | T. | T. | .03 | 2.51 | .05 | .57 | | | | | | | 44 | | | | | | .58 | | | | .10 | | .05 | | 4.71 |
| Springbank[‖] | Red | .04 | | | | 1.17 | | | | | .05 | T. | | | | | | | | | T. | | T. | 1.55 | | .51 | .46 | .12 | .06 | .09 | | | 4.05 |
| Stuttgart | Arkansas | .08 | .03 | | .99 | | | | | 2.51 | .09 | .29 | | | | | | | .02 | T. | | .64 | T. | .10 | .57 | | | T. | .26 | | .51 | | 6.19 |
| Texarkana[‖] | Red | | | | | 1.30 | | | | | 1.26 | .05 | | | | | | | | | | | | .07 | | .05 | .05 | .60 | 1.08 | | | | 4.46 |
| Warren[‖] | Ouachita | | .11 | | | 1.22 | | | | | .87 | .11 | | | | | | | | | .20 | | 1.22 | .40 | T. | | .38 | | .10 | T. | | | 4.61 |
| Whitecliffs[‖] | Red | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wiggs | Ouachita | | .12 | | .19 | .06 | | T. | | 1.22 | .02 | .09 | | | | | | | | | T. | T. | T. | 1.35 | .21 | .16 | .10 | .02 | .57 | T. | .13 | | 4.24 |
| Wynne[‖] | St. Francis | T. | .01 | | | .02 | | | | 2.21 | .77 | .04 | | | | | | | | T. | | .07 | T. | | .13 | | .30 | .05 | T. | .36 | .02 | | 3.98 |
| *Mississippi* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anguilla | Yazoo | | | | .27 | .34 | | | T. | | .95 | .21 | | | | | | | | .76 | | .70 | .63 | .16 | .70 | | T. | 2.00 | .25 | T. | .13 | | 7.10 |
| Austin | ...do | T. | | | .15 | T. | | | .20 | .57 | 1.89 | .10 | | | | | | | T. | .06 | | T. | .35 | | | | | .61 | .06 | | .12 | | 4.11 |
| Batesville[‖] | ...do | | | | | .47 | | | | .84 | 1.43 | .61 | | | | | | | | 1.23 | | .02 | | | | 1.12 | | .16 | .20 | | | | 6.08 |
| Byhalia | ...do | | | T. | .85 | | | | .06 | .93 | 1.00 | T. | | | | | | | | .27 | | .06 | .05 | .07 | 1.01 | .08 | | | .09 | .03 | .06 | | 4.14 |
| Canton | Big Black | | T. | | | 1.90 | | | | | .52 | | | | | | | | | | | | | | | .42 | | | .15 | | .46 | | 3.87 |
| Clarksdale[‖] | Yazoo | | .04 | | | .87 | .07 | | | .70 | 3.08 | .05 | | | | | | | | | .47 | .06 | .03 | | | | | .03 | .03 | .15 | 1.54 | | 7.12 |
| Coffeeville | ...do | .07 | .03 | | .49 | | | | | .53 | 1.85 | | | | | | | | .28 | 1.97 | .25 | .79 | | T. | .03 | .04 | .06 | .22 | 1.19 | | .23 | | 8.03 |
| Corinth[‖] | Mississippi | | | .04 | | .42 | .04 | | | .62 | 1.20 | .06 | | | | | | | | | | .16 | .44 | | | | .06 | | | .08 | .19 | | 3.31 |
| Crenshaw | Yazoo | .01 | .03 | | .33 | .03 | | | .03 | .69 | 2.11 | .10 | | | | | | | T. | 3.38 | | .20 | .01 | | | .11 | .05 | .38 | .50 | | .27 | | 8.23 |
| Denmark | ...do | | | | .49 | .15 | | | | .80 | 1.89 | | | | | | | | | .42 | | | | | | | .03 | .20 | .54 | | 1.73 | | 6.25 |
| Duck Hill | ...do | | T. | | | .35 | | | | 1.03 | 1.55 | .41 | | | | | | | | 1.46 | 1.00 | .63 | | | T. | T. | | T. | T. | .40 | .40 | | 7.23 |
| Edwards | Big Black | | | | .15 | 1.83 | .02 | | | | 1.34 | | | | | | | | | .62 | | .30 | .55 | .10 | .05 | | | | .13 | .09 | .50 | | 5.68 |
| Enid | Yazoo | .02 | T. | T. | .71 | .03 | | | .02 | .44 | 1.45 | T. | | | | | | | .04 | .85 | | .07 | | | | 2.00 | .04 | T. | .46 | T. | .02 | | 6.15 |
| Fayette | Mississippi | | | | 2.85 | 1.02 | | | | | 1.33 | | | | | | | | | .16 | | .60 | .56 | .24 | .65 | .34 | .28 | | .10 | | .20 | | 8.33 |
| Greenville[‖] | Yazoo | T. | .01 | | | 1.58 | | | | .07 | .79 | .30 | .21 | | | | | | | | 1.00 | | .57 | .30 | .04 | .04 | | .04 | .05 | .71 | .06 | | 5.77 |
| Greenwood[‖] | ...do | | .05 | | | .84 | | | | .04 | .31 | 1.09 | .04 | | | | | | | | .96 | .14 | | | T. | .06 | | .04 | .01 | .08 | | | 3.66 |
| Grenada | ...do | T. | | | .47 | | | | | .49 | .81 | | | | | | | | | .51 | | T. | | | .08 | T. | .24 | T. | .83 | | .43 | | 3.86 |
| Hernando[‖] | ...do | | | .05 | | 1.25 | | | | .90 | 1.20 | .35 | | | | | | | | .50 | .05 | .15 | | | | | .05 | | .35 | .77 | | | 5.62 |
| Hickory Flat | ...do | | .02 | | .50 | .05 | | | | .70 | 1.75 | T. | | | | | | | | | .03 | .33 | .25 | .03 | .15 | .07 | | .34 | .10 | | .25 | | 4.59 |
| Holly Springs[‖] | ...do | | | | | .24 | .01 | | | 1.06 | 1.59 | .04 | | | | | | | | T. | | .05 | | .03 | | .01 | .30 | | .11 | .02 | .01 | | 3.47 |
| Kosciusko[‖] | Big Black | | | | | 1.00 | .30 | | | | 1.25 | .02 | | | | | | | | | .53 | .12 | .63 | | .06 | 2.95 | .02 | .03 | .04 | .34 | .08 | | 7.37 |
| Lake Coromrant | Yazoo | .01 | .01 | | .94 | .03 | | | .16 | 1.13 | 1.17 | .43 | | | | | | | | 2.60 | | | | | | .59 | .02 | | .01 | | .34 | | 7.44 |
| Lula | ...do | .06 | | | 1.44 | .53 | | | T. | .49 | .72 | | | | | | | | | .61 | | 1.08 | | T. | | | | T. | .90 | | .17 | | 6.00 |
| Malone | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marks | ...do | .05 | .01 | | .23 | .02 | | | | .55 | 1.89 | | | | | | | | T. | 1.97 | | | | | T. | | | | 1.58 | | .27 | | 6.57 |
| Natchez[‖] | Mississippi | | | | | .97 | | | | | 1.07 | .09 | | | | | | | | | .07 | | .76 | .33 | .91 | 1.01 | T. | | T. | T. | T. | | 5.21 |
| New Albany | Yazoo | | .04 | | .50 | .11 | | | | .60 | 1.55 | | | | | | | | | | .12 | T. | | T. | T. | 1.50 | | 12 | 1.18 | | .70 | | 6.42 |
| Pontotoc | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Gibson[‖] | Mississippi | T. | | | | 2.80 | .07 | | | | .80 | | | | | | | | | | .31 | | .52 | .82 | .05 | 1.03 | T. | .81 | T. | 1.10 | | | 8.31 |
| Ripley | Yazoo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rosedale[‖] | ...do | .05 | .10 | | | .95 | | | | | .50 | .12 | | | | | | | | | 1.10 | | | | | .05 | | .80 | .05 | | | | 3.72 |
| Senatobia | ...do | T. | T. | T. | .65 | .01 | T. | | T. | .81 | 1.87 | .01 | | | | | | | T. | 1.16 | T. | | | T. | .05 | | T. | T. | .13 | T. | .09 | | 4.78 |
| Shoccoe | Big Black | | | | | 3.60 | | | | | .49 | | | | | | | | | .71 | | .68 | | .24 | .38 | | .35 | T. | .32 | T. | .16 | | 6.93 |
| Suffolk | Mississippi | | | | 1.11 | 1.15 | | T. | | T. | 1.53 | | | | | | | | | T. | | .12 | .38 | .19 | .07 | .13 | .04 | .01 | .01 | .22 | T. | | 4.96 |
| Swan Lake[‖] | Yazoo | | | | | .92 | .30 | | | | .83 | | | | | | | | | | 1.22 | | T. | .15 | .25 | .35 | | T. | T. | T. | .35 | | 4.37 |
| Tchula | ...do | T. | | | .20 | .15 | | | | | .60 | T. | | | | | | | | 1.75 | | .50 | | | | | T. | T. | .75 | T. | .40 | | 4.35 |
| University | ...do | | | | | | | | | | 2.45 | | T. | | | | | | | 13 | | .35 | | .06 | 1.20 | | | 45 | T. | | 1.33 | | |
| Utica | Mississippi | | | | .52 | 1.27 | | | | | 1.40 | | | | | | | | | | | .30 | .01 | .15 | .20 | | | 35 | .27 | | | | 4.47 |
| Vicksburg | ...do | | T. | | .58 | .43 | T. | | | .94 | .28 | .04 | | | | | | | | .28 | | .13 | .13 | | .13 | | .32 | .26 | .30 | | T. | | 3.82 |
| Water Valley | Yazoo | T. | T. | T. | .35 | | T. | | T. | 2.17 | .65 | T. | | | | | | | .20 | .90 | | | | 1.60 | T. | .20 | | 40 | 1.53 | .05 | .33 | | 8.38 |
| Woodville | Mississippi | | | | .27 | 1.53 | | | | | .55 | T. | | | | | | | | .03 | | | 1.60 | .22 | 1.00 | .52 | .49 | 2.55 | .05 | .56 | T. | | 9.37 |
| Yazoo City[‖] | Yazoo | T. | T. | | | 1.00 | .54 | | | | .42 | .21 | | | | | | | | | 1.08 | .24 | .16 | | .50 | .02 | .01 | .14 | .04 | 1.52 | T. | | 5.88 |
| *Louisiana.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abbeville | Coast | | | | .02 | 1.17 | | | | | .37 | | | | | | | | | | .02 | .68 | 1.75 | .25 | 1.69 | .02 | | 51 | 1.10 | 2.25 | .28 | | 10.11 |
| Alexandria[‖] | Red | | | | | 1.15 | | | | | .50 | | | | | | | | | | .25 | | 2.00 | | | .26 | | .70 | 1.33 | .25 | .12 | | 6.56 |
| Amite[‖] | Coast | | | | | 4.00 | T. | | | | .55 | T. | T. | | | | | | | | .22 | | .35 | .20 | .90 | 1.05 | 1.27 | 1.05 | 1.00 | .05 | .50 | | 11.14 |
| Baton Rouge[‖] | ...do | | | | | 1.00 | | | | | .61 | | | | | | | | | | T. | | T. | .05 | .22 | .43 | .06 | | .10 | 1.29 | 1.11 | | 4.87 |
| Burnside | ...do | | | | .07 | .90 | | | | | 1.95 | | | | | | | | | | T. | | .60 | .56 | .62 | | .05 | .65 | 1.44 | 1.57 | T. | | 8.41 |
| Burrwood | ...do | | | | | 2.35 | | | | | | .30 | .61 | | T. | .10 | | | | | | | 32 | | | | | | 1.30 | 1.29 | | | 6.27 |
| Calhoun | Ouachita | | | | .45 | .49 | | | | | .32 | | | | | | | | .05 | .11 | | .25 | .75 | .45 | .46 | .03 | .07 | | 2.41 | | .15 | | 5.99 |
| Cameron | Coast | .25 | | | T. | 2.35 | | | | | T. | | | | | | | | | 2.21 | T. | .54 | T. | .44 | T. | | | T. | 1.60 | .22 | .80 | | 8.41 |
| Cheneyville[‖] | Red | | | | | 2.75 | | | | | | | | | | | | | | | | | 95 | | .70 | .15 | .15 | .20 | 1.35 | .70 | | | 6.95 |
| Clinton[‖] | Coast | T. | | | | 3.48 | .02 | | | | .25 | .30 | | | | | | | | | T. | .27 | T. | .31 | .09 | .08 | .08 | .66 | .50 | 1.45 | .52 | | 8.01 |
| Collinston[‖] | Ouachita | | | | 2.00 | | | | | 1.37 | | | | | | | | | | .16 | | .20 | 1.51 | .04 | 1.95 | | .67 | .58 | .07 | | | | 8.55 |
| Covington[‖] | Coast | | | | | .36 | .09 | | .11 | | 1.57 | .50 | | .01 | .47 | .50 | | | | | T. | | 15 | .05 | .16 | .46 | .24 | | | .03 | .01 | .06 | | 4.77 |
| Dodson | Red | | | | | .35 | | | | | .64 | .04 | | | | | | | | .38 | | | .93 | .41 | .47 | .03 | 1.41 | | .80 | .02 | .26 | | 5.74 |
| Donaldsonville[‖] | Coast | | | | | 1.20 | .03 | | | | .85 | 1.35 | | | | | | | | | | .15 | .55 | .64 | .56 | .67 | | 1.68 | 1.02 | 2.00 | .64 | | 10.42 |
| Farmerville[‖] | Ouachita | | | | 1.60 | | | | | 1.86 | | | | | | | | | | .26 | | 2.32 | | .45 | .16 | 1.40 | | 1.02 | .05 | | | | 9.12 |
| Ferriday | ...do | | | | .58 | .95 | | | | | .10 | | | | | | | | | .20 | | | 1.17 | .44 | .34 | .52 | 22 | 1.15 | | | 1.05 | | 7.22 |
| Franklin[‖] | Coast | .42 | | | | .65 | .15 | | | | .55 | .39 | | | | | | | | | | 1.30 | T. | 1.33 | T. | T. | T. | .52 | 1.15 | 1.85 | .26 | | 8.57 |
| Grand Cane[‖] | Red | | | | | .90 | | | 1.00 | .10 | 1.00 | | | | | | | | | | .88 | | | | | | | .80 | .84 | .80 | | | 6.32 |
| Grand Coteau | Coast | | | | .03 | 1.30 | | | | | .52 | | | | | | | | | | | | | .15 | 1.50 | .68 | .12 | | 2.35 | 2.00 | .20 | .08 | | 8.93 |
| Hammond | ...do | | | | .88 | .57 | | | | 1.67 | | | | | | | | | | | | .10 | 1.08 | 2.00 | .43 | 2.75 | | .03 | .20 | | | | 9.71 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 7*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Louisiana*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Houma[‖] | Coast | | | | | .70 | | | | | 1.00 | .30 | | | | | | | | | | | 1.70 | | .10 | | | .25 | .05 | .30 | | | 4.40 |
| Jennings[‖] | do | .32 | | | | 1.62 | | | | | .23 | .87 | | | | | | | | | | | | .33 | 1.27 | .13 | .07 | | .46 | 3.02 | .13 | | 7.65 |
| Lafayette[‖] | do | .15 | | | | 1.05 | .41 | | | | .34 | .06 | | | | | | | | | | | T. | .21 | 1.78 | .40 | .04 | .13 | 2.00 | 1.55 | .50 | | 8.62 |
| Lake Charles[‖] | do | .52 | | | | 1.98 | | | | | .24 | | | | | | | | | | .23 | .18 | .14 | .49 | 2.26 | .22 | | | 2.52 | 1.33 | | | 10.11 |
| Lakeside | do | | | | | 3.10 | | | | | | | | | | | | | | 1.31 | | | .63 | 2.95 | 1.05 | .65 | .25 | .35 | 1.35 | 4.00 | .37 | | 15.03 |
| Lawrence[‖] | do | .41 | | | | | .92 | | | .17 | .10 | .42 | | 3.09 | | | | | | | | | .27 | .20 | | | .33 | .04 | | .34 | .95 | | 7.24 |
| Liberty Hill | Red | | | | .85 | .71 | | | | .25 | | | | | | | | | | .63 | | | | .73 | .40 | .35 | .07 | | 1.08 | .32 | T. | | 5.39 |
| Logansport[‖] | Sabine | | | | | 1.63 | | | | | | | | | | | | | | | .15 | | | | | | | .90 | 1.10 | | | | 3.78 |
| Melville[‖] | Red | | | | | .62 | .03 | | .05 | | .33 | .09 | T. | | | | | | | | | | | .68 | 1.23 | .13 | .56 | 1.40 | .90 | .60 | | | 6.62 |
| Minden[‖] | do | .75 | | | | .35 | | | | | .28 | | | | | | | | | | 1.09 | | .82 | .52 | T. | .65 | .74 | .11 | .07 | .11 | .11 | | 5.60 |
| Monroe[‖] | Ouachita | .10 | | | | 1.70 | | | | | 1.22 | | .02 | | | | | | | | .02 | | .36 | | .06 | .30 | .01 | | .30 | .20 | | | 4.29 |
| Morgan City[‖] | Coast | .63 | | | | .68 | .39 | | | | .03 | .26 | | | .25 | | | | | | | | | .42 | | | | | 1.15 | 1.29 | 2.58 | | 6.68 |
| Newellton | Mississippi | | | | .45 | 1.59 | | | | | .70 | T. | | | | | | | | .28 | | .30 | T. | T. | 2.43 | 1.27 | T. | .27 | .70 | .71 | | | 8.76 |
| New Iberia | Coast | | | | T. | 1.70 | | | | | .20 | | | | | | | | | | .09 | 1.15 | .05 | .08 | .65 | | | 1.45 | .07 | 2.60 | | | 8.04 |
| New Orleans (1) | do | | | | .38 | .17 | | T. | T. | T. | 1.55 | .17 | | | | | | | | | .01 | T. | .02 | .02 | 2.84 | .24 | 3.30 | .29 | .06 | .03 | .38 | | 9.46 |
| New Orleans (2) | do | | | | | .56 | .01 | | | | .48 | .76 | .26 | | | | | | | | | | .06 | | .88 | .18 | 2.14 | .06 | .21 | .01 | | | 5.61 |
| New Orleans (3) | do | | | | .68 | .28 | | | | | 1.27 | .91 | | .13 | | | | | | | | | .02 | .20 | 1.49 | .34 | .15 | .57 | .47 | .18 | .15 | | 6.84 |
| New Orleans (4) | do | | | | .31 | .21 | .01 | | | | 1.17 | .23 | | | | | | | | | | | .06 | | .85 | .15 | 1.95 | .13 | .17 | .01 | | | 5.25 |
| New Orleans (5) | do | | | | .34 | .17 | | | | | 1.37 | .22 | .01 | | | | | | | | | | .03 | | 1.71 | .33 | 1.08 | 1.77 | .27 | .26 | | | 7.56 |
| New Orleans (6) | do | | | | .37 | .15 | | | | | 1.59 | .24 | | | | | | | | | | | .01 | | 2.56 | | 3.29 | .44 | .05 | .03 | .48 | | 9.21 |
| New Orleans (7) | do | | | | .50 | .21 | | | | | 1.18 | .20 | | | | | | | | | | | | .72 | 1.43 | | 1.56 | 1.34 | .34 | .31 | | | 7.79 |
| New Orleans (8) | do | | | | .78 | .32 | | | | | 1.47 | .14 | | | | | | | | | | | | | 3.89 | .04 | .96 | .28 | .03 | .01 | .50 | | 8.42 |
| Opelousas[‖] | do | .18 | | | | 2.21 | | | | | .36 | .20 | | | | | | | | | | | | .02 | .55 | .71 | .04 | .46 | .49 | 1.82 | | | 7.04 |
| Plain Dealing | Red | | | | 1.05 | .05 | | | | | .07 | .10 | | | | | | | | .02 | | | 1.92 | | .41 | .05 | .82 | .20 | .04 | .32 | | | 5.05 |
| Rayne[‖] | Coast | .60 | | | | 1.60 | .10 | | | | .45 | | | | | | | | | | | | | .10 | .85 | .50 | | .35 | .20 | 3.00 | 1.00 | | 8.75 |
| Reserve[‖] | do | | | | | | .40 | .19 | | | | .38 | 2.24 | | .11 | | | | | | | | | | 1.63 | .89 | | .98 | .85 | .12 | 1.27 | | 9.06 |
| Robeline[‖] | Red | | | | | .45 | | | | | | | | | | | | | | | .70 | | | | .90 | .12 | | .20 | 1.98 | .30 | | | 4.65 |
| Ruston | Ouachita | | | | | 1.40 | | | | | | .40 | | | | | | | | .20 | | .62 | | .30 | .50 | | 1.50 | | .40 | | .30 | | 5.62 |
| St. Francisville[‖] | Mississippi | | | | | 2.50 | | | | | .30 | | | | | | | | | | | | | .93 | | | | 1.24 | | .58 | 1.40 | | 6.95 |
| Schriever | Coast | .26 | | | | .10 | .78 | | | | .06 | .45 | | | T. | | | | | | 1.84 | | | .13 | T. | .08 | | .86 | .22 | .68 | .62 | | 6.08 |
| Shreveport | Red | | | | .18 | | | | | 2.30 | | | | | | | | | | .20 | | | .38 | T. | .43 | T. | .10 | 1.25 | | | T. | | 4.84 |
| Simmesport[‖] | do | | | | | 5.12 | .03 | | | | .16 | | | | | | | | | | | | | .54 | .62 | .66 | | .12 | .66 | .20 | T. | | 8.11 |
| Southern Univ. Farm | Coast | | | | | 1.10 | | | | T. | 1.28 | .10 | | | | | | | | | | | | T. | .85 | .33 | .10 | .10 | .85 | .20 | T. | | 4.91 |
| Sugartown | Red | | | | .50 | .39 | | | | | | | | | | | | | | | | | 1.50 | | | | | | 1.10 | .50 | | | 3.99 |
| Tallulah | Mississippi | | | | .45 | 1.95 | | | | | 1.00 | | | | | | | | | .47 | | .05 | .15 | .25 | .23 | | .54 | .52 | .08 | | | | | 5.69 |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 7, Lower Mississippi Valley.*

| Date. | Colorado. | | | | | | New Mexico. | | | | Texas. | | | | Kansas. | | | | | | | | | | Oklahoma | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lamar. | | Leadville. | | Pueblo. | | Albert. | | Cimarron. | | Amarillo. | | Paris.‡‡ | | Dodge City. | | Elliawood. | | Iola. | | Liberal. | | Wichita. | | Ardmore.‡‡ | | Bartlesville. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1... | 86 | 52 | 64 | 39 | 78 | 54 | 96 | 61 | 87 | 52 | 91 | 63 | 96 | 57 | 77 | 52 | 91 | 46 | 74 | 57 | 80 | 54 | 75 | 54 | 94 | 60 | 72 | 65 |
| 2... | 102 | 54 | 70 | 44 | 94 | 58 | 98 | 61 | 87 | 49 | 103 | 63 | 101 | 63 | 84 | 55 | 85 | 55 | 81 | 56 | 96 | 52 | 83 | 57 | 106 | 63 | 87 | 64 |
| 3... | 81 | 57 | 64 | 36 | 68 | 57 | 85 | 62 | 76 | 55 | 81 | 63 | 94 | 69 | 72 | 54 | 77 | 55 | 72 | 59 | 99 | 50 | 74 | 56 | 99 | 68 | 92 | 74 |
| 4... | 80 | 55 | 64 | 35 | 76 | 55 | 90 | 54 | 81 | 43 | 89 | 57 | 90 | 70 | 71 | 53 | 69 | 52 | 62 | 55 | 92 | 49 | 64 | 53 | 91 | 70 | 76 | 69 |
| 5... | 91 | 54 | 67 | 36 | 82 | 53 | 87 | 63 | 83 | 46 | 86 | 58 | 80 | 63 | 79 | 49 | 81 | 47 | 76 | 51 | 88 | 45 | 77 | 52 | 84 | 58 | 75 | 65 |
| 6... | 81 | 56 | 67 | 40 | 74 | 56 | 95 | 62 | 85 | 44 | 99 | 62 | 88 | 63 | 73 | 59 | 74 | 60 | 75 | 58 | 97 | 48 | 76 | 62 | 81 | 60 | 77 | 66 |
| 7... | 90 | 60 | 65 | 38 | 92 | 63 | 98 | 59 | 85 | 37 | 100 | 63 | 94 | 66 | 76 | 62 | 67 | 59 | 63 | 58 | 98 | 50 | 70 | 59 | 93 | 63 | 76 | 65 |
| 8... | 99 | 61 | 63 | 40 | 91 | 56 | 101 | 61 | 87 | 45 | 103 | 65 | 92 | 72 | 82 | 62 | 80 | 60 | 77 | 59 | 93 | 57 | 88 | 62 | 97 | 66 | 90 | 68 |
| 9... | 82 | 46 | 59 | 33 | 77 | 58 | 86 | 63 | 85 | 55 | 82 | 64 | 88 | 70 | 81 | 60 | 81 | 61 | 78 | 61 | 96 | 60 | 78 | 62 | 90 | 71 | 81 | 69 |
| 10... | 74 | 40 | 63 | 35 | 74 | 47 | 79 | 53 | 73 | 43 | 76 | 56 | 78 | 64 | 69 | 53 | 73 | 55 | 67 | 57 | 89 | 56 | 67 | 57 | 77 | 61 | 71 | 62 |
| 11... | 83 | 43 | 70 | 29 | 78 | 46 | 81 | 48 | 79 | 34 | 75 | 50 | 81 | 60 | 73 | 45 | 80 | 44 | 78 | 50 | 78 | 47 | 76 | 50 | 81 | 59 | 86 | 56 |
| 12... | 85 | 57 | 71 | 40 | 80 | 50 | 86 | 50 | 81 | 44 | 82 | 51 | 83 | 60 | 75 | 49 | 80 | 47 | 80 | 50 | 82 | 48 | 76 | 56 | 86 | 52 | 76 | 64 |
| 13... | 88 | 62 | 69 | 36 | 83 | 57 | 82 | 50 | 78 | 48 | 72 | 55 | 86 | 56 | 76 | 57 | 84 | 45 | 81 | 52 | 78 | 54 | 79 | 58 | 87 | 56 | 81 | 55 |
| 14... | 91 | 54 | 66 | 33 | 88 | 55 | 84 | 52 | 74 | 51 | 82 | 54 | 86 | 58 | 82 | 52 | 86 | 52 | 82 | 53 | 87 | 53 | 83 | 58 | 91 | 56 | 81 | 56 |
| 15... | 101 | 74 | 70 | 36 | 92 | 55 | 85 | 56 | 77 | 53 | 89 | 59 | 90 | 57 | 87 | 63 | 86 | 62 | 85 | 56 | 93 | 65 | 85 | 62 | 93 | 56 | 84 | 55 |
| 16... | 99 | 64 | 52 | 34 | 86 | 58 | 89 | 59 | 84 | 50 | 90 | 66 | 91 | 61 | 90 | 62 | 93 | 62 | 87 | 62 | 94 | 65 | 88 | 66 | 95 | 60 | 86 | 56 |
| 17... | 97 | 48 | 63 | 36 | 92 | 48 | 94 | 57 | 85 | 42 | 99 | 64 | 94 | 65 | 98 | 60 | 96 | 60 | 90 | 66 | 103 | 63 | 92 | 69 | 98 | 69 | 89 | 59 |
| 18... | 100 | 52 | 72 | 35 | 95 | 57 | 99 | 62 | 88 | 49 | 98 | 66 | 96 | 67 | 97 | 62 | 98 | 69 | 93 | 68 | 106 | 64 | 95 | 65 | 101 | 73 | 95 | 68 |
| 19... | 103 | 53 | 73 | 38 | 97 | 57 | 99 | 63 | 90 | 49 | 98 | 68 | 100 | 71 | 96 | 67 | 96 | 66 | 81 | 68 | 105 | 71 | 91 | 73 | 103 | 72 | 93 | 72 |
| 20... | 102 | 67 | 73 | 42 | 97 | 58 | 91 | 62 | 90 | 46 | 96 | 66 | 95 | 68 | 96 | 63 | 97 | 69 | 93 | 65 | 104 | 65 | 92 | 71 | 96 | 70 | 96 | 73 |
| 21... | 105 | 60 | 71 | 43 | 96 | 60 | 97 | 67 | 87 | 49 | 97 | 70 | 100 | 65 | 98 | 68 | 100 | 69 | 94 | 68 | 104 | 70 | 95 | 70 | 105 | 65 | 98 | 68 |
| 22... | 103 | 79 | 72 | 41 | 95 | 62 | 96 | 68 | 86 | 44 | 95 | 68 | 91 | 67 | 98 | 68 | 99 | 69 | 92 | 66 | 102 | 67 | 94 | 70 | 105 | 70 | 97 | 67 |
| 23... | 104 | 62 | 72 | 39 | 94 | 55 | 95 | 58 | 86 | 45 | 94 | 65 | 92 | 65 | 97 | 64 | 98 | 68 | 90 | 67 | 103 | 63 | 95 | 70 | 97 | 68 | 93 | 68 |
| 24... | 98 | 67 | 65 | 45 | 79 | 62 | 87 | 63 | 76 | 53 | 93 | 65 | 93 | 68 | 90 | 72 | 94 | 70 | 91 | 69 | 105 | 66 | 89 | 71 | 99 | 67 | 91 | 69 |
| 25... | 91 | 63 | 71 | 33 | 81 | 51 | 86 | 61 | 78 | 48 | 88 | 62 | 86 | 70 | 87 | 66 | 90 | 67 | 92 | 68 | 93 | 63 | 87 | 68 | 94 | 67 | 91 | 65 |
| 26... | 90 | 60 | 68 | 35 | 84 | 58 | 84 | 64 | 79 | 52 | 85 | 61 | 91 | 71 | 85 | 65 | 92 | 65 | 90 | 66 | 87 | 63 | 87 | 68 | 97 | 65 | 92 | 68 |
| 27... | 91 | 55 | 69 | 35 | 85 | 55 | 99 | 62 | 81 | 51 | 86 | 63 | 92 | 69 | 86 | 63 | 91 | 63 | 89 | 69 | 90 | 60 | 89 | 68 | 94 | 69 | 94 | 69 |
| 28... | 93 | 58 | 68 | 37 | 88 | 58 | 85 | 60 | 77 | 52 | 88 | 64 | 94 | 70 | 87 | 65 | 92 | 64 | 86 | 67 | 90 | 62 | 87 | 69 | 98 | 70 | 91 | 69 |
| 29... | 94 | 65 | 65 | 36 | 92 | 57 | 92 | 59 | 82 | 52 | 87 | 64 | 93 | 71 | 87 | 66 | 92 | 63 | 89 | 61 | 93 | 66 | 88 | 67 | 96 | 70 | 91 | 66 |
| 30... | 90 | 62 | 67 | 38 | 85 | 56 | 92 | 62 | 84 | 47 | 88 | 65 | 94 | 70 | 84 | 65 | 94 | 62 | 90 | 65 | 87 | 63 | 90 | 64 | 96 | 68 | 92 | 65 |
| 31... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mns | 92.5 | 58.0 | 67.1 | 37.2 | 85.8 | 55.7 | 90.6 | 59.4 | 82.4 | 47.6 | 89.7 | 62.0 | 91.0 | 65.5 | 84.4 | 60.0 | 87.2 | 59.5 | 82.6 | 60.9 | 93.7 | 58.6 | 83.7 | 62.9 | 94.1 | 64.6 | 86.4 | 65.2 |

| Date. | Oklahoma. | | | | | | | | | | | | | | Missouri. | | | | | | | | | | Lynnville, Ky. | | Jackson, Tenn. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Enid.‡‡ | | McAlester. | | Mangum.‡‡ | | Muskogee. | | Oklahoma. | | Weatherford.‡‡ | | Woodward. | | Caruthersville. | | Ironton.‡‡ | | Lamar.‡‡ | | Olden. | | Springfield. | | | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1... | 80 | 60 | 84 | 63 | 92 | 57 | 91 | 61 | 81 | 63 | 83 | 59 | 82 | 51 | 82 | 53 | 77 | 53 | 75 | 57 | 75 | 54 | 70 | 56 | 79 | 50 | ..... | ..... |
| 2... | 92 | 56 | 97 | 62 | ..... | 56 | 93 | 65 | 97 | 57 | 96 | 56 | 91 | 52 | 84 | 50 | 77 | 42 | 81 | 58 | 83 | 51 | 77 | 56 | 72 | 48 | ..... | ..... |
| 3... | 89 | 63 | 94 | 70 | ..... | 65 | 90 | 63 | 93 | 71 | 95 | 58 | 78 | 54 | 70 | 52 | 61 | 47 | 73 | 59 | 73 | 54 | 63 | 57 | 67 | 49 | ..... | ..... |
| 4... | 76 | 57 | 90 | 75 | 87 | 61 | 89 | 63 | 76 | 59 | 84 | 59 | 76 | 54 | 78 | 60 | 72 | 51 | 78 | 56 | 79 | 55 | 71 | 53 | 73 | 57 | ..... | ..... |
| 5... | 84 | 53 | 82 | 62 | 87 | 57 | 79 | 60 | 79 | 59 | 83 | 57 | 82 | 50 | 76 | 65 | 73 | 60 | 75 | 56 | 75 | 61 | 71 | 56 | 76 | 65 | ..... | ..... |
| 6... | 80 | 61 | 77 | 60 | 88 | 63 | 77 | 62 | 76 | 60 | 75 | 61 | 80 | 62 | 84 | 52 | 78 | 43 | 73 | 58 | 77 | 55 | 71 | 57 | 82 | 52 | ..... | ..... |
| 7... | 86 | 63 | 89 | 65 | 92 | 64 | 82 | 60 | 83 | 63 | 86 | 61 | 89 | 62 | 76 | 60 | 73 | 47 | 64 | 59 | 70 | 55 | 62 | 56 | 76 | 57 | ..... | ..... |
| 8... | 95 | 65 | 93 | 72 | 104 | 67 | 88 | 61 | 90 | 72 | 98 | 64 | 97 | 65 | 77 | 60 | 71 | 50 | 76 | 57 | 67 | 54 | 71 | 53 | 78 | 59 | ..... | ..... |
| 9... | 85 | 66 | 83 | 74 | 88 | 64 | 80 | 62 | 80 | 66 | 82 | 69 | 84 | 66 | 70 | 58 | 70 | 51 | 74 | 57 | 67 | 55 | 66 | 58 | 74 | 61 | ..... | ..... |
| 10... | 72 | 59 | 78 | 60 | 78 | 62 | 76 | 59 | 69 | 59 | 73 | 56 | 75 | 57 | 76 | 60 | 66 | 52 | 71 | 57 | 70 | 55 | 66 | 58 | 77 | 60 | ..... | ..... |
| 11... | 82 | 51 | 80 | 58 | 81 | 52 | 82 | 52 | 75 | 55 | 77 | 52 | 78 | 44 | 77 | 58 | 78 | 50 | 78 | 49 | 75 | 51 | 74 | 51 | 78 | 57 | ..... | ..... |
| 12... | 84 | 48 | 83 | 50 | 85 | 50 | 83 | 57 | 78 | 53 | 80 | 48 | 80 | 48 | 80 | 51 | 80 | 41 | 82 | 49 | 78 | 52 | 74 | 57 | 82 | 50 | ..... | ..... |
| 13... | 82 | 56 | 80 | 54 | 79 | 62 | 82 | 60 | 80 | 61 | 97 | 58 | 77 | 57 | 80 | 58 | 83 | 44 | 83 | 53 | 80 | 55 | 78 | 57 | 83 | 53 | ..... | ..... |
| 14... | 91 | 52 | 83 | 52 | 88 | 52 | 84 | 62 | 83 | 60 | 85 | 51 | 86 | 49 | 87 | 53 | 85 | 50 | 84 | 54 | 83 | 53 | 80 | 59 | 86 | 53 | ..... | ..... |
| 15... | 90 | 58 | 89 | 58 | 92 | 58 | 85 | 52 | 86 | 62 | 86 | 59 | 88 | 60 | 86 | 57 | 86 | 52 | 85 | 58 | 85 | 57 | 81 | 58 | 88 | 56 | ..... | ..... |
| 16... | 95 | 61 | 91 | 64 | 94 | 60 | 89 | 52 | 88 | 64 | 91 | 62 | 92 | 64 | 90 | 55 | 88 | 52 | 86 | 63 | 83 | 60 | 82 | 63 | 91 | 56 | ..... | ..... |
| 17... | 98 | 61 | 93 | 69 | 100 | 63 | 92 | 67 | 92 | 68 | 95 | 66 | 96 | 61 | 91 | 60 | 87 | 53 | 90 | 64 | 85 | 65 | 85 | 64 | 91 | 59 | ..... | ..... |
| 18... | 102 | 70 | 97 | 75 | 103 | 70 | 89 | 74 | 96 | 75 | 99 | 70 | 100 | 62 | 92 | 63 | 89 | 57 | 93 | 69 | 82 | 66 | 81 | 67 | 91 | 62 | ..... | ..... |
| 19... | 103 | 68 | 99 | 74 | 103 | 66 | 93 | 70 | 95 | 70 | 99 | 79 | 99 | 65 | 92 | 64 | 93 | 57 | 89 | 69 | 91 | 62 | 87 | 66 | 94 | 63 | ..... | ..... |
| 20... | 98 | 68 | 98 | 71 | 103 | 67 | 95 | 73 | 93 | 70 | 98 | 69 | 100 | 67 | 96 | 67 | 94 | 56 | 96 | 67 | 91 | 65 | 91 | 72 | 96 | 63 | ..... | ..... |
| 21... | 104 | 66 | 101 | 69 | 104 | 66 | 99 | 70 | 96 | 69 | 101 | 69 | 100 | 72 | 88 | 66 | 91 | 63 | 94 | 66 | 90 | 66 | 86 | 69 | 88 | 66 | ..... | ..... |
| 22... | 106 | 68 | 99 | 68 | 105 | 60 | 97 | 70 | 97 | 71 | 102 | 69 | 102 | 69 | 90 | 66 | 91 | 60 | 91 | 69 | 85 | 62 | 84 | 68 | 89 | 65 | ..... | ..... |
| 23... | 102 | 73 | 90 | 66 | 104 | 68 | 89 | 68 | 92 | 69 | 100 | 68 | 100 | 67 | 90 | 65 | 91 | 60 | 91 | 67 | 83 | 62 | 84 | 68 | 92 | 67 | ..... | ..... |
| 24... | 98 | 69 | 93 | 68 | 104 | 67 | 90 | 69 | 92 | 71 | 96 | 71 | 97 | 76 | 92 | 65 | 93 | 62 | 90 | 67 | 88 | 65 | 85 | 67 | 95 | 67 | ..... | ..... |
| 25... | 96 | 67 | 92 | 67 | 96 | 71 | 91 | 66 | 89 | 67 | 93 | 69 | 94 | 66 | 92 | 67 | 93 | 65 | 93 | 65 | 87 | 66 | 88 | 67 | 91 | 66 | ..... | ..... |
| 26... | 99 | 68 | 91 | 68 | 94 | 68 | 91 | 69 | 91 | 69 | 95 | 66 | 92 | 64 | 94 | 70 | 92 | 63 | 89 | 67 | 89 | 65 | 85 | 67 | 91 | 70 | ..... | ..... |
| 27... | 95 | 66 | 93 | 69 | 95 | 68 | 90 | 62 | 92 | 69 | 93 | 69 | 91 | 64 | 94 | 68 | 88 | 65 | 89 | 68 | 86 | 65 | 84 | 69 | 92 | 69 | ..... | ..... |
| 28... | 95 | 69 | 92 | 70 | 93 | 69 | 91 | 68 | 90 | 71 | 92 | 68 | 91 | 64 | 86 | 69 | 84 | 68 | 86 | 67 | 82 | 67 | 80 | 67 | 87 | 69 | ..... | ..... |
| 29... | 98 | 67 | 93 | 69 | 96 | 69 | 91 | 70 | 93 | 69 | 88 | 68 | 90 | 66 | 86 | 69 | 88 | 56 | 90 | 60 | 86 | 61 | 84 | 65 | 88 | 65 | ..... | ..... |
| 30... | 98 | 67 | 92 | 68 | 89 | 68 | 89 | 66 | 90 | 70 | 89 | 67 | 87 | 67 | 90 | 68 | 90 | 60 | 90 | 64 | 88 | 65 | 85 | 68 | 90 | 67 | ..... | ..... |
| 31... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mns | 91.8 | 62.5 | 89.8 | 65.7 | 93.7[b] | 63.0 | 87.9 | 63.8 | 87.1 | 65.4 | 89.7 | 64.3 | 89.1 | 60.8 | 84.9 | 61.0 | 82.7 | 54.3 | 83.6 | 61.0 | 81.1 | 59.3 | 78.2 | 61.6 | 84.6 | 60.0 | ..... | ..... |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 7*—Continued.

| Date. | Tennessee. | | | | | | | | Arkansas. | | | | | | | | Mississippi. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Memphis. | | Union City | | Bentonville. | | Corning. | | Dardanelle. ‖ | | Eldorado. ‖ | | Fort Smith. | | Little Rock. | | Pine Bluff. ‖ | | Texarkana. ‖ | | Wynne. ‖ | | Clarksdale. ‖ | | Corinth. ‖ | | Greenville. ‖ | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 78 | 62 | 78 | 62 | 78 | 58 | 78 | 58 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 |
| 2 | 77 | 63 | 77 | 63 | 77 | 58 | 77 | 58 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 |
| 3 | 74 | 63 | 74 | 63 | 74 | 58 | 74 | 58 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 |
| 4 | 72 | 57 | 72 | 57 | 72 | 52 | 72 | 52 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 |
| 5 | 72 | 57 | 72 | 57 | 72 | 52 | 72 | 52 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 |
| 6 | 74 | 58 | 74 | 58 | 74 | 52 | 74 | 52 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 |
| 7 | 76 | 58 | 76 | 58 | 76 | 52 | 76 | 52 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 |
| 8 | 78 | 60 | 78 | 60 | 78 | 54 | 78 | 54 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 |
| 9 | 80 | 62 | 80 | 62 | 80 | 56 | 80 | 56 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 |
| 10 | 82 | 64 | 82 | 64 | 82 | 58 | 82 | 58 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 |
| 11 | 84 | 66 | 84 | 66 | 84 | 60 | 84 | 60 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 |
| 12 | 86 | 68 | 86 | 68 | 86 | 62 | 86 | 62 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 13 | 88 | 70 | 88 | 70 | 88 | 64 | 88 | 64 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 |
| 14 | 90 | 72 | 90 | 72 | 90 | 66 | 90 | 66 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 |
| 15 | 92 | 74 | 92 | 74 | 92 | 68 | 92 | 68 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 |
| 16 | 94 | 76 | 94 | 76 | 94 | 70 | 94 | 70 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 |
| 17 | 96 | 78 | 96 | 78 | 96 | 72 | 96 | 72 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 |
| 18 | 98 | 80 | 98 | 80 | 98 | 74 | 98 | 74 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 |
| 19 | 100 | 82 | 100 | 82 | 100 | 76 | 100 | 76 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 |
| 20 | 102 | 84 | 102 | 84 | 102 | 78 | 102 | 78 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 |
| 21 | 104 | 86 | 104 | 86 | 104 | 80 | 104 | 80 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 |
| 22 | 106 | 88 | 106 | 88 | 106 | 82 | 106 | 82 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 |
| 23 | 108 | 90 | 108 | 90 | 108 | 84 | 108 | 84 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 |
| 24 | 110 | 92 | 110 | 92 | 110 | 86 | 110 | 86 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 |
| 25 | 112 | 94 | 112 | 94 | 112 | 88 | 112 | 88 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 |
| 26 | 114 | 96 | 114 | 96 | 114 | 90 | 114 | 90 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 |
| 27 | 116 | 98 | 116 | 98 | 116 | 92 | 116 | 92 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 |
| 28 | 118 | 100 | 118 | 100 | 118 | 94 | 118 | 94 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 |
| 29 | 120 | 102 | 120 | 102 | 120 | 96 | 120 | 96 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 |
| 30 | 122 | 104 | 122 | 104 | 122 | 98 | 122 | 98 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 |
| 31 | 124 | 106 | 124 | 106 | 124 | 100 | 124 | 100 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 |
| Means | 81.7 | 65.9 | 86.5 | 61.6 | 81.5 | 60.9 | 83.1 | 61.6 | 85.5 | 63.6 | 86.9 | 66.0 | 86.2 | 66.0 | 83.3 | 65.8 | 87.4 | 64.6 | 87.5 | 67.4 | 85.0 | 62.8 | 86.2 | 64.8 | 85.2 | 63.4 | 87.7 | 65.6 |

| Date. | Mississippi. | | | | | | | | | | | | | | | | Louisiana. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Kosciusko. ‖ | | Natchez. ‖ | | Vicksburg. | | Alexandria. ‖ | | Baton Rouge. ‖ | | Covington. ‖ | | Lafayette. ‖ | | Lake Charles. ‖ | | Monroe. ‖ | | New Orleans. | | Robeline. ‖ | | Schriever. ‖ | | Shreveport. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 | 78 | 62 |
| 2 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 | 77 | 63 |
| 3 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 | 74 | 63 |
| 4 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 |
| 5 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 | 72 | 57 |
| 6 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 | 74 | 58 |
| 7 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 | 76 | 58 |
| 8 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 | 78 | 60 |
| 9 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 | 80 | 62 |
| 10 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 | 82 | 64 |
| 11 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 | 84 | 66 |
| 12 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 | 86 | 68 |
| 13 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 | 88 | 70 |
| 14 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 | 90 | 72 |
| 15 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 | 92 | 74 |
| 16 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 | 94 | 76 |
| 17 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 | 96 | 78 |
| 18 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 | 98 | 80 |
| 19 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 100 | 82 |
| 20 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 | 102 | 84 |
| 21 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 | 104 | 86 |
| 22 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 | 106 | 88 |
| 23 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 | 108 | 90 |
| 24 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 | 110 | 92 |
| 25 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 | 112 | 94 |
| 26 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 | 114 | 96 |
| 27 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 | 116 | 98 |
| 28 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 | 118 | 100 |
| 29 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 | 120 | 102 |
| 30 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 | 122 | 104 |
| 31 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 | 124 | 106 |
| Means | 84.6 | 63.5 | 89.6 | 67.2 | 85.6 | 67.0 | 89.2 | 65.7 | 88.2 | 71.9 | 90.4 | 66.9 | 86.8 | 68.4 | 92.3 | 69.2 | 89.5* | 67.6* | 87.5 | 70.9 | 89.1 | 69.6 | 90.6 | 65.8 | 87.6 | 67.5 |

# Climatological Data for June, 1910.
## DISTRICT No. 8, TEXAS AND RIO GRANDE VALLEY.

BERNARD BUNNEMEYER, District Editor.

### GENERAL SUMMARY.

The month averaged warmer than usual, although in portions of New Mexico and over a large area in Texas the mean temperature was below the normal. The precipitation was generally deficient, the lack of rain being very conspicuous in Texas. There was, however, a considerable excess over limited areas in the western and eastern portions of the district. Most of the precipitation occurred during the third decade, but showery periods occurred also during the first decade in Texas, and near the middle of the month in New Mexico and Colorado.

The greatest monthly precipitation in Colorado was 1.00 inch at Saguache; in New Mexico, 3.12 inches at Demonstration Farm; and in Texas, 7.63 inches at Grand Saline. The least in the district was a trace at Manassa, Colo. At 1 other station in Colorado and at 4 stations in New Mexico and 3 in Texas, the monthly amounts did not exceed 0.10 inch. Excessive precipitation of 2.50 inches or more in 24 consecutive hours occurred as follows: In New Mexico, 2.64 at Demonstration Farm; and in Texas, 3.27 at Cuero, 3.66 at Galveston, 2.51 at Grand Saline, 2.60 at Mexia, and 2.61 at Rockland. The number of days with 0.01 inch or more of precipitation averaged 3 in Colorado and 4 in the remaining portions of the district.

Much cloudy and sultry weather prevailed during the last decade, and local thunderstorms were of daily occurrence during that period, but the greatest number of thunderstorms occurred probably on the 4th. Some of these storms were accompanied by hail and violent winds, which caused more or less damage in various localities. The highest wind velocity recorded at regular Weather Bureau stations was 52 miles per hour from the northwest at Corpus Christi on the 5th.

### TEMPERATURE.

The mean temperature averaged 2.1° above the normal in Colorado, 1.7° above in New Mexico, and 0.4° above in Texas. In portions of the upper Rio Grande and upper Rio Pecos valleys, in eastern Texas, and along the Gulf coast the temperature was below the normal, the deficiency being greatest in southeastern Texas. The average daily range was less than 10° on the upper coast and more than 40° in the extreme northwestern portion of the district. The warmest weather occurred in most localities on the 8th and 9th, and the coolest on the 11th and 12th. Frost was reported on the 11th at a few of the higher northern stations in New Mexico, but the damage was very small, owing to the hardiness of plant life in the higher altitudes.

The extreme temperatures reported were: In Colorado, 91° at Saguache on the 7th, and 30° at Manassa on the 1st and at Blanca on the 17th; in New Mexico, 109° at Carlsbad on the 8th and 26° at Hopewell on the 11th; and in Texas, 115° at Eagle Pass on the 9th, and 47° at Albany on the 11th and at Plainview on the 12th. The local monthly means ranged from 58.8° to 63.1° in Colorado; from 54.4° to 81.2° in New Mexico; and from 74.4° to 89.0° in Texas.

### PRECIPITATION

There was a general deficiency of precipitation over the Rio Grande watershed, except over short stretches north of El Paso. South of the station the deficiency was unusually large, averaging 1.87 inch. Over the New Mexico portion it was only 0.04 inch. The total average rainfall for the watershed was 0.68 inch. The total precipitation over the Rio Pecos watershed averaged 1.11 inch, or nearly 0.75 inch less than the normal. At several stations in this watershed the monthly amounts exceeded 2 inches, the greatest being 3.12 inches at Demonstration Farm, N. Mex.

The precipitation over the Texas watersheds was decidedly less than the normal. The deficiency ranged from 0.21 inch over the coastal plains to 2.00 inches over the San Antonio watershed. A conspicuous excess occurred, however, over a few limited areas in the coastal plains and lower Brazos and lower Guadalupe valleys, and in one or two localities in the upper Trinity and upper Sabine. The following are the average monthly amounts in inches for the various watersheds: Nueces, 0.79; San Antonio, 0.77; Guadalupe, 1.37; Lavaca, 0.96; Colorado, 1.19; Brazos, 1.76; Trinity, 2.54; Neches, 3.76; Sabine, 3.20; and coastal plains, 2.87. Compared with conditions for the preceding month there was a decrease of nearly 3 inches.

### RIVER CONDITIONS.

The rivers of the district were generally below normal and much lower than during the preceding month; in fact, the volume of water in some of the rivers was the lowest ever recorded for this season. In the Rio Grande moderate stages obtained during the opening days of the month, but the water subsided gradually, and at the close of the month the flow was below the average for June. In the lower Rio Grande the water was very low during the entire month, except on the 27th and 28th, when there was a moderate rise; but notwithstanding the low stages, it continued to furnish ample water for irrigation and for stock. Conditions of the Colorado were not so favorable. The paucity of water in this river broke all previous records for June, and in the lower valley two rice irrigation plants suspended operations, and it was feared that others would have to suspend unless good rains would relieve the situation. The Brazos also was the lowest ever recorded for June, while the Trinity was as low as the previous lowest, and both these streams kept a large amount of lumber tied up.

### MISCELLANEOUS.

*Severe local storms.*—Destructive storms of wind and rain, with brilliant electric displays, were reported from Sour Lake, Tex., on the 5th, from Greenville, Winters, Waxahachie, Cleburne, Rhome, and Wortham, Tex., on the 28th, and from Winona, Tex., on the 29th. These storms were mostly of short duration. The property loss was considerable and several persons were killed or injured. Two men, who had sought shelter under a tree, were struck by lightning and one of them instantly killed.

*Tornado.*—During the afternoon of the 9th a tornado, with well-defined funnel-shaped cloud, occurred about 3 miles west of Tyler, Tex. It came from the northwest and went toward the southeast. Five persons were more or less seriously injured and several dwellings completely destroyed. One dwelling was blown away, leaving the family of 7 persons uninjured, sitting on the floor.

*Drainage district.*—The creation of a drainage district in Brazoria County, Tex., known as the Pearland drainage district, was determined upon by popular vote on the 21st, and a bond issue of $124,000 approved. This district comprizes over 54,000 acres and will be the fourth district in Brazoria County. The first and second districts have already been drained, and the contract for draining the third has been let.

*Irrigating plant.*—The Rio Grande Valley Reservoir and Irrigation Company, mentioned on page 607 of the REVIEW, has transferred its franchises and rights to the Valley Reservoir and Canal Company. This latter is a new corporation operating in Hidalgo County in the lower Rio Grande Valley. When completed it will irrigate 200,000 acres.

*Earthquake.*—Light earthquake shocks were felt at Socorro, N. Mex., at 7:07 p. m. of the 22d, and at 3:05 p. m. of the 27th.

TABLE 1.—*Climatological data for June, 1910. District No. 8, Texas and Rio Grande Valley.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Colorado.* | | | | | | | | | | | | | | | | | | | | |
| Blanca | Costilla | 8,403 | 1 | 59.7 | ..... | 85a | 19† | 30 | 17 | 50a | 0.26 | ..... | 0.25 | 0.0 | 2 | 15 | 15 | 0 | sw. | L. C. Audrain. |
| Cumbres | Conejos | 10,015 | 3 | | | | | | | | 0.65 | ..... | 0.39 | 0.0 | 3 | 11 | 15 | 4 | sw. | Ida M. Lively. |
| Garnett | Costilla | 7,576 | 17 | 58.8 | + 1.1 | 85 | 19 | 33 | 17 | 50 | 0.06 | − 0.50 | 0.06 | 0.0 | 1 | 11 | 16 | 3 | sw. | Chas. Speiser. |
| Hermit | Hinsdale | 9,843 | .. | | | | | | | | 0.44 | ..... | 0.24 | 0.0 | 5 | 16 | 14 | 0 | ..... | Marion Mason. |
| La Veta Pass | Costilla | 9,000 | ... | | | | | | | | | | | | | | | | ..... | Norvin R. Lively. |
| Manassa | Conejos | 7,700 | 4 | 59.8e | ..... | 84e | 19 | 30e | 1 | 50e | T. | ..... | T. | 0.0 | 0 | 11e | 14e | 2e | sw. | J. B. Chapman. |
| Platoro | ...do | 9,675 | 2 | | | | | | | | 0.90 | ..... | 0.37 | 0.0 | 8 | 19 | 10 | 1 | w. | Walter R. Hook. |
| Saguache | Saguache | 7,740 | 18 | 63.1d | + 3.8 | 91d | 7 | 35d | 1† | 54d | 1.00 | + 0.16 | 0.70 | 0.0 | 2 | 16d | 3d | 7d | w. | Eugene Williams. |
| San Luis | Costilla | 7,794 | 19 | 59.4 | + 1.3 | 87 | 19 | 33 | 9† | 51 | 0.94 | + 0.37 | 0.57 | 0.0 | 6 | 9 | 21 | 0 | sw. | P. B. Albright. |
| Wagon Wheel Gap | Mineral | 8,434 | 11 | | | | | | | | | | | | | | | | ..... | Ellwood Bergey. |
| *New Mexico.* | | | | | | | | | | | | | | | | | | | | |
| Agricultural College | Dona Ana | 3,863 | 44 | 78.6 | − 0.3 | 103 | 9† | 52 | 17† | 50 | 0.25 | − 0.33 | 0.25 | 0.0 | 1 | 2 | 21 | 7 | ..... | New Mexico Agri. College. |
| Alamogordo (near) | Otero | 4,338 | 9 | 77.2 | ..... | 98 | 8† | 55 | 12 | 40 | 1.00 | ..... | 0.85 | 0.0 | 3 | 10 | 16 | 4 | sw. | Geo. C. Bemis. |
| Alamogordo | ...do | 4,320 | ... | | | | | | | | 1.09 | ..... | 0.68 | 0.0 | 2 | | | | ..... | El Paso & Southwest. R. R. |
| Albuquerque | Bernalillo | 5,200 | 34 | | | | | | | | 0.79 | ..... | 0.25 | 0.0 | 5 | | | | ..... | University of New Mexico. |
| Ancho | Lincoln | 6,112 | .... | | | | | | | | 0.15 | ..... | 0.15 | 0.0 | 1 | 17 | 1 | 12 | ..... | El Paso & Southwest. R. R. |
| Artesia | Eddy | 3,350 | .... | 79.1 | ..... | 108 | 8 | 53 | 11 | 49 | 0.32 | ..... | 0.32 | 0.0 | 1 | 23 | 5 | 2 | se. | Will Benson. |
| Aspen Grove Ranch | Rio Arriba | 9,000 | .... | | | | | | | | 0.21 | ..... | 0.08 | 0.0 | 4 | 9 | 20 | 1 | ..... | Junius D. Maupin. |
| Bateman's Ranch | ...do | 8,900 | ... | | | | | | | | 0.59 | ..... | 0.36 | 0.0 | 2 | 14 | 16 | 0 | w. | John W. Bateman. |
| Bluewater | Valencia | 6,732 | 8 | 68.5 | ..... | 91 | 12 | 32 | 17 | 55 | 0.30 | ..... | 0.13 | 0.0 | 3 | 13 | 16 | 1 | nw. | Bluewater Development Co. |
| Bluewater Reservoir | ...do | 9,000 | 1 | | | | | | | | | | | | | | | | | Do. |
| Boas | Chaves | 4,154 | 1 | 76.3 | ..... | 104 | 8 | 46 | 11 | 49 | 0.74 | ..... | 0.32 | 0.0 | 3 | 16 | 14 | 0 | s. | D. C. Savage. |
| Capitan | Lincoln | 6,348 | .... | | | | | | | | 1.42 | ..... | 0.38 | 0.0 | 6 | 6 | 5 | 19 | w. | El Paso & Southwest. R. R. |
| Carlsbad | Eddy | 3,120 | 15 | 81.2 | + 2.0 | 109 | 8 | 55 | 1 | 48 | 0.02 | − 2.20 | 0.01 | 0.0 | 2 | 17 | 5 | 8 | s. | U. S. Reclamation Service. |
| Carrizozo | Lincoln | 5,429 | 2 | | | | | | | | 0.26 | ..... | 0.15 | 0.0 | 5 | 9 | 20 | 1 | ..... | A. H. Harvey. |
| Chama | Rio Arriba | 7,851 | 11 | 59.8 | + 0.9 | 85 | 12† | 34 | 18 | 49 | 0.60 | + 0.05 | 0.40 | 0.0 | 2 | 24 | 5 | 1 | sw. | Frank C. Johnson. |
| Cloudcroft | Otero | 8,650 | 7 | 60.2 | ..... | 82 | 18 | 38 | 12† | 42 | 1.84 | ..... | 0.85 | 0.0 | 8 | 16 | 9 | 5 | sw. | El Paso & Southwest. R. R. |
| Corona | Lincoln | 6,666 | .... | | | | | | | | 0.61 | ..... | 0.34 | 0.0 | 3 | 16 | 5 | 9 | n. | Do. |
| Coyote | ...do | 5,800 | ... | | | | | | | | 1.70 | ..... | 0.80 | 0.0 | 4 | 13 | 3 | 14 | se. | Do. |
| Cundiyo | Santa Fe | 6,889 | 1 | | | | | | | | 0.01 | ..... | 0.01 | 0.0 | 1 | 11 | 5 | 14 | w. | Teofilo Vijil. |
| Demonstration Farm | San Miguel | 6,800 | 1 | | | | | | | | 3.12 | ..... | 2.64 | 0.0 | 4 | | | | ..... | Erb & Westerman. |
| Duran | Torrance | 6,272 | 1 | | | | | | | | 0.76 | ..... | 0.42 | 0.0 | 3 | 13 | 13 | 4 | ..... | W. H. Birkhead. |
| Edison Mine | Taos | 10,600 | .... | | | | | | | | | | | | | | | | ..... | Frank L. Paxton. |
| Elida | Roosevelt | 4,345 | .... | | | | | | | | | | | | | | | | ..... | M. W. Waldron. |
| Elk (near) | Chaves | | 11 | | | | | | | | | | | | | | | | | Boyd Williams. |
| Escondido | Otero | 4,014 | .... | | | | | | | | 0.62 | ..... | 0.17 | 0.0 | 7 | 13 | 10 | 7 | se. | El Paso & Southwest. R. R. |
| Espanola | Rio Arriba | 5,590 | 12 | 69.8 | + 1.8 | 96 | 19 | 41 | 9† | 50 | 0.11 | − 0.43 | 0.09 | 0.0 | 2 | 17 | 10 | 3 | s. | Mrs. E. F. McBride. |
| Estancia | Torrance | 6,140 | 5 | 69.4 | | 94 | 12 | 40 | 11† | 54 | 0.20 | | 0.14 | 0.0 | 3 | 17 | 11 | 2 | e. | New Mex. Central R. R. |
| Fort Stanton | Lincoln | 6,231 | 32 | 67.9 | + 0.7 | 95d | 8 | 43d | 11† | 50d | 2.85 | + 1.24 | 1.75 | 0.0 | 4 | 18 | 3 | 9 | sw. | U. S. Sanitarium. |
| Fort Sumner | Guadalupe | 3,960 | 7 | 75.6 | ..... | 100 | 2† | 50 | 10 | 43 | 1.49 | ..... | 1.08 | 0.0 | 3 | 22 | 6 | 2 | se. | F. A. Manzanares. |
| Gallinas | Lincoln | 6,635 | .... | | | | | | | | 1.14 | ..... | 0.66 | 0.0 | 5 | 18 | 3 | 9 | w. | El Paso & Southwest. R. R. |
| Gallinas Planting Station | San Miguel | 7,500 | 3 | | | | | | | | | | | | | | | | | U. S. Forest Service. |
| Harvey's Upper Ranch | ...do | 9,400 | 1 | | | | | | | | 2.31 | ..... | 0.71 | 0.0 | 6 | 14 | 15 | 1 | se. | Simon B. Warner. |
| Hillsboro | Sierra | 5,224 | 13 | | | | | | | | | | | | | | | | ..... | Dr. Frank I. Givens. |
| Hodges | Taos | 8,484 | .... | | | | | | | | | | | | | | | | ..... | Jas. D. Bird. |
| Hondo Reservoir | Chaves | 3,904 | 1 | 78.3 | ..... | 107 | 8 | 52b | 18 | 50b | 1.36 | ..... | 0.40 | 0.0 | 7 | 15 | 9 | 6 | se. | U. S. Reclamation Service. |
| Hope | Eddy | | 3 | | | | | | | | | | | | | | | | | C. M. Bott. |
| Hopewell | Rio Arriba | 9,500 | .... | 54.4 | ..... | 77 | 19† | 26 | 11 | 44 | 0.17 | ..... | 0.12 | 0.0 | 3 | 5 | 23 | 2 | w. | John T. Blanton. |
| Jemez Springs | Sandoval | 6,100 | .... | | | | | | | | 0.03 | ..... | 0.03 | 0.0 | 1 | 17 | 3 | 10 | sw. | Linus L. Shields. |
| Laguna | Valencia | 5,840 | 5 | 74.2 | ..... | 101 | 19 | 48 | 18 | 49 | 0.20 | ..... | 0.20 | 0.0 | 1 | 27 | 0 | 3 | w. | Gus Weiss. |
| Lagunita | Guadalupe | 4,500 | 5 | 75.3 | ..... | 101 | 18 | 44 | 12 | 52 | 1.08 | ..... | 1.04 | 0.0 | 3 | 14 | 7 | 9 | w. | P. A. Turnbull. |
| Lake Valley | Sierra | 5,413 | 5 | | | | | | | | 0.38 | ..... | 0.35 | 0.0 | 2 | 14 | 16 | 0 | sw. | Wm. P. Keil. |
| Las Vegas | San Miguel | 6,384 | 23 | 67.9 | + 1.8 | 97 | 18 | 37 | 11 | 52 | 0.31 | − 1.39 | 0.20 | 0.0 | 3 | 20 | 10 | 0 | w. | Dr. Wm. Curtiss Bailey. |
| Liston | Chaves | | .... | | | | | | | | 0.53 | ..... | 0.24 | 0.0 | 5 | 15 | 13 | 2 | s. | H. G. Liston. |
| Los Lunas (near) | Valencia | 4,900 | 20 | | | | | | | | | | | | | | | | ..... | Richard Pohl. |
| Los Tanos | Guadalupe | 4,919 | .... | | | | | | | | 1.16 | ..... | 0.39 | 0.0 | 6 | 14 | 14 | 2 | sw. | El Paso & Southwest. R. R. |
| Magdalena | Socorro | 6,557 | 5 | 70.6 | ..... | 95 | 8† | 42 | 17 | 47 | 0.65 | ..... | 0.50 | 0.0 | 4 | 14 | 16 | 0 | w. | Wm. Pender. |
| Malaga | Eddy | 3,000 | .... | | | | | | | | | | | | | | | | ..... | Capt. Chas. Grapes. |
| Mineral Hill | San Miguel | 7,050 | 5 | | | | | | | | 2.07 | ..... | 1.32 | 0.0 | 4 | 7 | 23 | 0 | sw. | W. M. Nelson. |
| Monterey | Otero | 4,436 | .... | | | | | | | | 0.60 | ..... | 0.50 | 0.0 | 2 | 23 | 2 | 5 | sw. | El Paso & Southwest. R. R. |
| Monument | Eddy | 3,500 | 4 | | | | | | | | | | | | | | | | ..... | Jas. M. Cook. |
| Mountainair | Torrance | 6,547 | 8 | 70.4 | ..... | 99 | 19 | 42 | 11 | 44 | 0.86 | ..... | 0.33 | 0.0 | 3 | 19 | 10 | 1 | sw. | Mrs. John W. Corbett. |
| Newman | Otero | 3,989 | .... | | | 102 | 6† | 60 | 25† | .... | 1.45 | ..... | 0.39 | 0.0 | 6 | 19 | 5 | 6 | e. | El Paso & Southwest. R. R. |
| Noria | Dona Ana | 4,114 | .... | | | | | | | | 0.20 | ..... | 0.15 | 0.0 | 4 | 20 | 4 | 6 | e. | Do. |
| Orange | Otero | | .... | | | 106e | 8 | 53e | 28 | .... | 2.57 | ..... | 1.25 | 0.0 | 4 | 11 | 6 | 13 | s. | Jas. Brownfield, jr. |
| Orogrande | ...do | 4,171 | .... | | | | | | | | 1.68 | ..... | 0.70 | 0.0 | 6 | 12 | 15 | 3 | w. | El Paso & Southwest. R. R. |
| Oscura (near) | Lincoln | 5,016 | 1 | | | | | | | | 0.27 | ..... | 0.12 | 0.0 | 4 | 19 | 9 | 2 | s. | Eugene F. Jones. |
| Otis | Eddy | 3,100 | 1 | | | | | | | | 0.26 | ..... | 0.12 | 0.0 | 3 | 22 | 6 | 2 | se. | A. M. Hove. |
| Otto | Santa Fe | 6,200 | 1 | | | | | | | | 0.22 | ..... | 0.10 | 0.0 | 3 | | | | ..... | W. K. Davis. |
| Pastura | Guadalupe | 5,285 | .... | | | 103 | 18 | 42 | 1† | 51 | 0.40 | ..... | 0.25 | 0.0 | 2 | 3 | 21 | 6 | sw. | El Paso & Southwest. R. R. |
| Picacho (near) | Lincoln | | .... | | | | | | | | | | | | | | | | | P. D. Southworth. |
| Red River Canyon | Taos | 8,650 | 2 | 56.0 | | 84 | 21 | 28 | 17 | 50 | 0.90 | | 0.50 | 0.0 | 3 | 22 | 8 | 0 | w. | Mrs. L. R. Penn. |
| Rincon | Dona Ana | 4,030 | 12 | 79.1 | + 2.3 | 105 | 9† | 50 | 17 | 51 | 1.02 | + 0.45 | 0.43 | 0.0 | 4 | 11 | 6 | 13 | s. | Chas. H. Raitt. |
| Rio Grande Dam | Sierra | 4,265 | 12 | 78.8 | + 4.3 | 104 | 8 | 56 | 1 | 45 | 0.69 | − 0.29 | 0.46 | 0.0 | 4 | 17 | 6 | 7 | sw. | U. S. Reclamation Service. |
| Rosedale | Socorro | 6,910 | 5 | 69.2 | | 92 | 8 | 47 | 11 | 36 | 1.71 | | 1.23 | 0.0 | 7 | 17 | 6 | 7 | w. | W. H. Martin. |
| Roswell | Chaves | 3,578 | 12 | 77.2 | − 0.9 | 104 | 8 | 53 | 11 | 44 | 0.75 | − 1.33 | 0.31 | 0.0 | 5 | 15 | 13 | 2 | se. | U. S. Weather Bureau. |
| San Marcial | Socorro | 4,439 | 14 | 79.2 | + 4.7 | 102 | 21 | 50 | 17 | 48 | | | | | | 20 | 2 | 8 | e. | Atch., Topeka & S. F. R. R. |
| San Rafael | Valencia | 6,509 | 6 | 69.4 | ..... | 98 | 1† | 40 | 24 | 54 | 0.52 | ..... | 0.41 | 0.0 | 2 | 23 | 4 | 3 | w. | Dr. Chas. M. Grover. |
| Santa Fe | Santa Fe | 7,013 | 37 | 65.6 | − 0.6 | 86 | 19 | 44 | 11 | 34 | 0.56 | − 0.48 | 0.19 | 0.0 | 7 | 14 | 14 | 2 | se. | U. S. Weather Bureau. |
| Santa Fe Canyon | ...do | 8,000 | .... | | | | | | | | 0.60 | ..... | 0.35 | 0.0 | 3 | 11 | 2 | 17 | w. | Candelario Martinez. |
| Santa Rosa | Guadalupe | 4,624 | 10 | 75.8 | ..... | 102 | 18† | 49 | 11 | 51 | 1.10 | − 0.37 | 0.77 | 0.0 | 4 | 8 | 21 | 1 | s. | John L. Chapman. |
| Socorro | Socorro | 4,600 | 19 | 77.8 | + 1.6 | 104 | 2 | 54 | 14† | 46 | 1.55 | + 1.11 | 1.20 | 0.0 | 4 | 25 | 4 | 1 | se. | J. J. Leeson. |
| Stanley | Santa Fe | 6,317 | 1 | 68.1 | ..... | 96 | 19 | 40 | 11† | 56 | 0.32 | | 0.11 | 0.0 | 4 | 13 | 14 | 3 | w. | Wilbur F. Castle. |
| Strauss | Dona Ana | 4,080 | 11 | | | | | | | | 1.29 | + 0.43 | 0.69 | 0.0 | 4 | 16 | 9 | 5 | w. | Southern Pacific Co. |
| Swastika Ranch | Valencia | 6,400 | .... | | | | | | | | 0.68 | ..... | 0.36 | 0.0 | 5 | 23 | 7 | 0 | sw. | Swastika S. & L. Co. |
| Taft | Guadalupe | | .... | | | | | | | | 0.73 | ..... | 0.27 | 0.0 | 5 | 16 | 7 | 7 | se. | A. J. Wilmeth. |
| Taos | Taos | 6,983 | 12 | 66.7 | + 2.0 | 89 | 20 | 44 | 9 | 40 | 0.37 | − 0.52 | 0.32 | 0.0 | 3 | 20 | 10 | 0 | w. | Alexander Gusdorf. |
| Taos Canyon | ...do | 8,959 | .... | | | | | | | | 1.65 | ..... | 0.60 | 0.0 | 6 | | | | ..... | Leocadio Martinez, jr. |
| Tecolote | Lincoln | 6,539 | .... | | | | | | | | 1.45 | ..... | 0.65 | 0.0 | 7 | 23 | 3 | 4 | w. | El Paso & Southwest. R. R. |
| Three Rivers | Otero | 4,559 | .... | | | | | | | | 0.65 | ..... | 0.32 | 0.0 | 7 | 21 | 4 | 5 | ..... | Do. |
| Torrance | Torrance | 6,433 | .... | | | | | | | | 0.05 | ..... | 0.02 | 0.0 | 3 | 9 | 16 | 5 | sw. | Do. |
| Tres Piedras | Taos | 8,076 | 5 | 60.9 | ..... | 86 | 19 | 33 | 11 | 46 | 0.05 | ..... | 0.05 | 0.0 | 1 | 17 | 10 | 3 | sw. | Edwin B. Seward. |
| Truchas | Rio Arriba | 7,935 | 1 | | | 84 | 19 | 34 | 3 | .... | 0.80 | ..... | 0.40 | 0.0 | 4 | 3 | 27 | 0 | ..... | Ignacio Cordova. |
| Tularosa | Otero | 4,436 | 2 | 77.3 | ..... | 102 | 8 | 54 | 1 | 44 | 0.97 | ..... | 0.37 | 0.0 | 5 | 16 | 14 | 0 | sw. | Irby L. Fairless. |
| Vaughn | Guadalupe | 5,952 | .... | | | | | | | | 0.42 | ..... | 0.40 | 0.0 | 2 | | | | ..... | El Paso & Southwest R. R. |
| Winsors | San Miguel | 8 200 | 12 | 58.7 | + 3.6 | 86 | 22 | 28 | 11 | 52 | 1.76 | − 0.26 | 0.40 | 0.0 | 7 | 18 | 5 | 7 | w. | Henry D. Winsor. |

TABLE 1.—*Climatological data for June, 1910. District No. 8*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Texas.* | | | | | | | | | | | | | | | | | | | | |
| Abilene | Taylor | 1,738 | 25 | 82.0 | + 3.8 | 105 | 2 | 54 | 12 | 35 | 0.74 | − 2.43 | 0.25 | 0.0 | 8 | 19 | 7 | 4 | s. | U. S. Weather Bureau. |
| Albany | Shackelford | 1,429 | 16 | 81.2 | + 3.3 | 107 | 2 | 47 | 11 | 43 | 0.91 | − 2.53 | 0.43 | 0.0 | 3 | 27 | 1 | 2 | ..... | N. L. Bartholomew. |
| Alvin | Brazoria | 49 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.77 | + 1.13 | 1.65 | 0.0 | 5 | 14 | 7 | 9 | s. | F. A. Smith. |
| Anahuac | Chambers | 23 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.55 | ..... | 1.23 | 0.0 | 8 | ..... | ..... | ..... | ..... | B. H. Collins. |
| Austin | Travis | 593 | 24 | 81.1 | + 0.3 | 99 | 9 | 60 | 12 | 28 | 0.73 | − 1.98 | 0.48 | 0.0 | 4 | 17 | 13 | 0 | sw. | A. Deussen. |
| Ballinger | Runnels | 1,637 | 15 | 81.5 | + 1.7 | 105 | 2† | 53 | 12 | 40 | 1.77 | − 1.52 | 1.12 | 0.0 | 2 | 18 | 8 | 4 | s. | E. M. Eubank. |
| Barstow | Ward | 2,573 | 3 | 82.0 | ..... | 108 | 8† | 60 | 1† | 42 | 1.55 | ..... | 0.95 | 0.0 | 3 | 26 | 2 | 2 | se. | W. H. Denis. |
| Bay City | Matagorda | 53 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.88 | ..... | 1.58 | 0.0 | 2 | 14 | 8 | 8 | s. | E. C. Quereau. |
| Beaumont | Jefferson | 29 | 13 | 79.8 | ..... | 96 | 19 | 61 | 1 | 29 | 3.68 | − 1.34 | 1.05 | 0.0 | 7 | 11 | 0 | 19 | s. | John Bender. |
| Beeville | Bee | 225 | 14 | 80.6 | − 2.0 | 99 | 29† | 61 | 12 | 29 | 4.76 | + 1.88 | 2.40 | 0.0 | 4 | 15 | 13 | 2 | se. | L. E. Dickey. |
| Big Springs | Howard | 2,396 | 12 | 83.6 | ..... | 108 | 8 | 61 | 11† | 36 | 0.71 | − 1.26 | 0.46 | 0.0 | 5 | 17 | 9 | 4 | se. | B. Reagan. |
| Blanco | Blanco | 1,350 | 14 | 79.6 | + 0.3 | 102 | 9 | 52 | 1† | 39 | 0.56 | − 1.47 | 0.24 | 0.0 | 3 | 21 | 9 | 0 | s. | R. C. Crist. |
| Boerne | Kendall | 1,412 | 18 | 81.9 | + 2.3 | 105 | 9 | 55 | 12 | 36 | 0.61 | − 1.97 | 0.25 | 0.0 | 4 | 17 | 11 | 2 | se. | F. W. Schweppe. |
| Booth | Fort Bend | 81 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.55 | ..... | 1.48 | 0.0 | 6 | 20 | 0 | 10 | e. | T. R. Booth. |
| Bowie | Montague | 1,113 | 16 | 80.4 | + 1.9 | 106 | 2 | 56 | 12 | 33 | 2.54 | + 0.60 | 1.10 | 0.0 | 4 | 20 | 5 | 5 | se. | Craig Anderson. |
| Brazoria | Brazoria | 25 | 21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mrs. M. A. Stevens. |
| Brazos | Palo Pinto | 801 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.38 | ..... | 0.56 | 0.0 | 3 | 14 | 12 | 4 | s. | Robt. E. Boyett. |
| Brenham | Washington | 350 | 21 | 80.2 | − 1.2 | 98 | 29 | 62 | 12† | 29 | 1.07 | − 3.43 | 0.67 | 0.0 | 7 | 13 | 9 | 8 | ne. | Mrs. B. F. Sloan. |
| Bridgeport | Wise | 754 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.28 | ..... | 2.20 | 0.0 | 2 | 28 | 1 | 1 | s. | Wm. M. Wilkinson. |
| Brighton | Nueces | 12 | 14 | 81.8 | + 0.3 | 93 | 12† | 69 | 6† | 24 | 1.03 | − 0.81 | 0.70 | 0.0 | 2 | 27 | 2 | 1 | se. | G. H. Ritter. |
| Brownsville | Cameron | 38 | 21 | 82.6 | + 0.7 | 96 | 30 | 64 | 13 | 25 | 0.08 | − 2.17 | 0.04 | 0.0 | 3 | ..... | ..... | ..... | s. | U. S. Weather Bureau. |
| Brownwood | Brown | 1,342 | 20 | 80.8 | + 0.3 | 105 | 2 | 51 | 12 | 48 | 1.89 | − 1.26 | 1.53 | 0.0 | 4 | 16 | 11 | 3 | s. | Mrs. Pearl Smith. |
| Cameron | Milam | ..... | 2 | 81.6 | ..... | 104[a] | 20 | 58 | 12 | 33[a] | 2.49 | ..... | 0.71 | 0.0 | 6 | 23 | 7 | 0 | s. | J. E. Watts. |
| Carmona | Polk | 330 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.76 | ..... | 0.66 | 0.0 | 8 | 15 | 15 | 0 | s. | M. S. Spitler. |
| Claytonville | Fisher | 2,100 | 6 | 83.6 | ..... | 110 | 8 | 50 | 14 | 42 | 0.79 | ..... | 0.79 | 0.0 | 1 | 12 | 14 | 4 | s. | Wm. Lanius. |
| Coleman | Coleman | 1,710 | 16 | 82.0 | + 4.1 | 100 | 2 | 60 | 16 | 35 | 0.90 | − 2.71 | 0.65 | 0.0 | 2 | 17 | 3 | 10 | s. | J. H. Tucker. |
| College Station | Brazos | 308 | 19 | 79.4 | − 1.4 | 97 | 20 | 60 | 12† | 31 | 3.64 | − 0.34 | 1.32 | 0.0 | 8 | 18 | 9 | 3 | s. | Prof. G. S. Fraps. |
| Colorado | Mitchell | 2,066 | 16 | 76.8 | − 3.5 | 98 | 8 | 50 | 10† | 41 | 1.13 | − 1.58 | 0.74 | 0.0 | 4 | ..... | ..... | ..... | s. | R. M. Webb. |
| Columbia | Brazoria | 34 | 21 | 79.4 | − 1.0 | 98 | 7 | 58 | 13 | 34 | 6.52 | + 1.71 | 2.10 | 0.0 | 8 | 13 | 16 | 1 | s. | R. B. Loggins. |
| Columbus | Colorado | 206 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.76 | ..... | 0.86 | 0.0 | 3 | 14 | 3 | 13 | se. | Mrs. Sophie Bridge. |
| Comstock | Valverde | 1,557 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | A. D. Brown. |
| Corpus Christi | Nueces | 20 | 23 | 80.4 | − 0.2 | 93 | 27 | 68 | 12 | 19 | 0.94 | − 1.80 | 0.58 | 0.0 | 3 | 20 | 9 | 1 | se. | U. S. Weather Bureau. |
| Corsicana | Navarro | 445 | 21 | 82.8 | + 2.3 | 107 | 3 | 60 | 12† | 37 | 1.39 | − 2.46 | 1.17 | 0.0 | 2 | 26 | 3 | 1 | se. | E. L. Gibson. |
| Crockett | Houston | 350 | 6 | 80.0 | ..... | 97 | 18† | 60 | 12† | 33 | 2.30 | ..... | 1.33 | 0.0 | 6 | 20 | 9 | 1 | s. | A. M. Rencher. |
| Cuero | DeWitt | 177 | 21 | 80.6 | + 2.1 | 97 | 30 | 59 | 13 | 32 | 4.79 | + 0.60 | 3.27 | 0.0 | 6 | 19 | 1 | 10 | s. | H. R. Frobese. |
| Dallas | Dallas | 466 | 21 | 79.8 | − 0.2 | 100 | 2† | 54 | 15† | 38 | 1.66 | − 2.57 | 0.76 | 0.0 | 4 | 20 | 2 | 8 | s. | G. A. Eisenlohr. |
| Danevang | Wharton | 145 | 14 | 80.5 | − 1.9 | 96 | 19† | 63 | 11† | 31 | 3.65 | − 0.70 | 1.75 | 0.0 | 4 | 24 | 4 | 2 | se. | H. P. Hermansen. |
| Decatur | Wise | 1,047 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Fort Worth & Denver Ry. |
| Del Rio | Valverde | 952 | 4 | 83.6 | + 1.5 | 111 | 9 | 60 | 12 | 36 | 0.52 | − 2.59 | 0.51 | 0.0 | 2 | 25 | 4 | 1 | se. | U. S. Weather Bureau. |
| Devine | Medina | 653 | ..... | 82.9 | ..... | 109 | 9 | 59 | 12 | 36 | 1.88 | ..... | 0.79 | 0.0 | 5 | 25 | 5 | 0 | se. | M. A. Keller. |
| Dialville | Cherokee | 575 | 12 | 78.6 | ..... | 96 | 19 | 58 | 12 | 30 | 3.00 | ..... | 1.57 | 0.0 | 5 | 13 | 12 | 5 | s. | J. M. B. McKnight. |
| Dilley | Frio | 569 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.65 | ..... | 1.25 | 0.0 | 3 | ..... | ..... | ..... | ..... | John W. Miller. |
| Dublin | Erath | 1,466 | 15 | 79.4 | 0.0 | 101 | 2† | 58 | 12 | 34 | 2.06 | − 1.00 | 0.78 | 0.0 | 5 | 15 | 12 | 3 | s. | Jno. O. Shafer. |
| Duval | Travis | 820 | 21 | 80.2 | − 1.4 | 100 | 9 | 61 | 12† | 29 | 2.54 | − 0.42 | 1.17 | 0.0 | 5 | 16 | 6 | 8 | se. | J. C. Edgar. |
| Eagle Pass | Maverick | 800 | 21 | 87.2 | + 3.9 | 115 | 9 | 62 | 13 | 41 | 0.05 | − 2.53 | 0.05 | 0.0 | 1 | 6 | 24 | 0 | ..... | Jos. Metcalfe. |
| Edna | Jackson | 71 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.96 | ..... | 0.60 | 0.0 | 3 | ..... | ..... | ..... | ..... | E. L. Faires. |
| El Paso | El Paso | 3,762 | 31 | 80.7 | + 1.1 | 101 | 9 | 61 | 26 | 36 | 1.35 | + 0.80 | 1.02 | 0.0 | 5 | 21 | 7 | 2 | nw. | U. S. Weather Bureau. |
| Encinal | La Salle | 558 | 2 | 84.8 | ..... | 111 | 9 | 61 | 12 | 39 | 1.67 | ..... | 1.39 | 0.0 | 3 | 13 | 15 | 2 | se. | H. C. Braden. |
| Fairland | Burnet | 1,000 | 1 | 81.1 | ..... | 107 | 9 | 55 | 1† | 43 | 1.90 | ..... | 1.13 | 0.0 | 3 | 21 | 9 | 0 | s. | R. L. Bush. |
| Falfurrias | Starr | ..... | 3 | 83.8 | ..... | 105 | 9† | 58 | 12† | 36 | 1.03 | ..... | 0.67 | 0.0 | 3 | 24 | 6 | 0 | se. | W. A. Gardner. |
| Flatonia | Fayette | 465 | 2 | 80.8 | ..... | 98 | 27† | 60 | 12† | 32 | 1.05 | ..... | 0.75 | 0.0 | 3 | 19 | 9 | 2 | s. | Fred W. Laux. |
| Flint | Smith | 483 | ..... | 78.2 | ..... | 98 | 9 | 56 | 15 | 35 | 2.92 | ..... | 1.53 | 0.0 | 4 | 19 | 8 | 3 | s. | F. C. C. Carter. |
| Fort Clark | Kinney | 1,050 | 23 | 84.8 | + 1.8 | 107[a] | 8 | 60 | 12 | 31[a] | 0.28 | − 2.71 | 0.28 | 0.0 | 1 | 18 | 10 | 2 | se. | Post Hospital. |
| Fort McIntosh | Webb | 460 | 24 | 89.0 | + 3.7 | 111 | 9 | 70 | 15 | 35 | 0.30 | − 1.84 | 0.30 | 0.0 | 1 | 18 | 6 | 6 | se. | Do |
| Fort Stockton | Pecos | 3,050 | 13 | 82.8 | + 4.0 | 110 | 8† | 58 | 1† | 45 | 1.02 | − 0.90 | 0.74 | 0.0 | 2 | 11 | 15 | 4 | se. | H. H. Butz. |
| Fort Worth | Tarrant | 670 | 15 | 80.0 | − 0.1 | 104 | 2 | 57 | 12 | 33 | 1.38 | − 1.59 | 0.57 | 0.0 | 7 | 13 | 17 | 0 | s. | U. S. Weather Bureau. |
| Fredericksburg | Gillespie | 1,742 | 21 | 78.9 | + 0.1 | 103[a] | 9 | 52[a] | 12 | 38[a] | 1.11 | − 1.44 | 0.52 | 0.0 | 4 | 13 | 15 | 2 | s. | Arthur Striegler. |
| Gainesville | Cooke | 738 | 21 | 81.8 | + 3.6 | 108 | 2 | 52 | 23 | 42 | 1.52 | − 1.88 | 0.61 | 0.0 | 3 | ..... | ..... | ..... | ..... | J. L. Hickson. |
| Galveston | Galveston | 69 | 40 | 79.2 | − 1.7 | 88 | 29 | 67 | 23 | 16 | 6.70 | + 1.95 | 3.06 | 0.0 | 9 | 17 | 9 | 4 | se. | U. S. Weather Bureau. |
| Gatesville | Coryell | 795 | 6 | 80.4 | ..... | 104 | 9 | 55 | 12 | 34 | 0.65 | ..... | 0.65 | 0.0 | 1 | 20 | 10 | 0 | ..... | John Ryan. |
| Georgetown | Williamson | 750 | 15 | 81.8 | + 0.4 | 105 | 9 | 53 | 12 | 38 | 1.66 | − 1.16 | 0.80 | 0.0 | 5 | 23 | 7 | 0 | s. | Prof. R. F. Young. |
| Gonzales | Gonzales | 299 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.50 | ..... | 0.98 | 0.0 | 5 | 15 | 10 | 5 | s. | J. M. Johnson. |
| Graham | Young | 1,040 | 11 | 82.3 | + 2.5 | 108 | 2 | 49 | 12 | 41 | 1.88 | − 2.11 | 0.73 | 0.0 | 4 | 18 | 11 | 1 | s. | C. W. Johnson. |
| Grand Saline | Van Zandt | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.63 | ..... | 2.51 | 0.0 | 6 | 19 | 11 | 0 | s. | F. E. Whittemore. |
| Grapevine | Tarrant | 670 | 20 | 80.4[e] | + 0.5 | 103[d] | 2 | 59[d] | 12† | 34 | 4.95 | + 1.63 | 2.20 | 0.0 | 7 | 11[e] | 11[e] | 5[e] | s. | W. J. Crowley. |
| Greenville | Hunt | 550 | 10 | 81.0 | + 0.4 | 103 | 19 | 59 | 12† | 37 | 3.25 | + 0.13 | 1.45 | 0.0 | 4 | 19 | 0 | 11 | s. | J. P. Regan. |
| Hallettsville | Lavaca | 235 | 19 | 81.4 | − 0.6 | 96 | 18† | 59 | 13 | 29 | 0.96 | − 2.47 | 0.59 | 0.0 | 3 | 22 | 7 | 1 | s. | Dr. J. E. Lay. |
| Harper | Gillespie | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.00 | ..... | 0.75 | 0.0 | 3 | 12 | 0 | 18 | ..... | Christian Fritz. |
| Haskell | Haskell | 4,013 | 19 | 84.0 | + 3.5 | 108 | 3† | 53 | 14 | 41 | 0.60 | − 2.52 | 0.60 | 0.0 | 1 | 15 | 13 | 2 | s. | P. D. Sanders. |
| Hebbronville | Duval | ..... | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.15 | ..... | 0.15 | 0.0 | 1 | ..... | ..... | ..... | ..... | Henry Edds. |
| Hempstead | Waller | 254 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.80 | ..... | 1.15 | 0.0 | 3 | 14 | 4 | 12 | s. | J. H. Hancock. |
| Henderson | Rusk | 500 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.86 | ..... | 1.40 | 0.0 | 5 | 15 | 9 | 6 | ..... | M. Kangerga. |
| Hewitt | McLennan | 664 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.14 | − 3.34 | 0.48 | 0.0 | 5 | ..... | ..... | ..... | ..... | I. H. Earle. |
| Hillsboro | Hill | 628 | 7 | 80.4 | ..... | 99 | 21† | 56 | 13 | 35 | 0.32 | ..... | 0.21 | 0.0 | 2 | ..... | ..... | ..... | ..... | Thompson & Campbell. |
| Hondo | Medina | 901 | 8 | 84.2 | ..... | 106 | 9 | 65 | 1 | 29 | 0.31 | − 1.79 | 0.16 | 0.0 | 3 | 16 | 14 | 0 | ..... | H. E. Haass. |
| Houston | Harris | 138 | 21 | 79.2 | − 1.4 | 94 | 19 | 62 | 12 | 23 | 2.10 | − 3.10 | 0.70 | 0.0 | 9 | 14 | 14 | 2 | s. | U. S. Weather Bureau. |
| Huntsville | Walker | 400 | 22 | 79.4 | − 1.6 | 97 | 19 | 56 | 13 | 34 | 4.66 | − 0.04 | 2.20 | 0.0 | 5 | 15 | 0 | 15 | se. | W. Y. Barr. |
| Jewett | Leon | 496 | 6 | 79.4 | ..... | 100 | 18† | 54 | 1† | 41 | 2.95 | ..... | 1.20 | 0.0 | 5 | 10 | 10 | 10 | s. | Earle Adkisson. |
| Junction | Kimble | 1,645 | 7 | 78.0 | ..... | 103 | 30 | 48 | 12† | 40 | 1.20 | ..... | 1.20 | 0.0 | 1 | 24 | 0 | 6 | ..... | Judge John S. Durst. |
| Kaufman | Kaufman | 448 | 11 | 80.8 | − 0.5 | 99 | 2† | 60 | 12 | 33 | 3.62 | ..... | 1.05 | 0.0 | 8 | 14 | 16 | 0 | s. | B. J. Hubbard. |
| Keene | Johnson | 940 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Industrial Academy. |
| Kerrville | Kerr | 1,650 | 15 | 79.4 | + 1.3 | 101 | 9 | 50 | 1 | 42 | 0.50 | − 2.72 | 0.25 | 0.0 | 2 | 13 | 12 | 5 | ..... | Mrs. F. Coleman. |
| Knickerbocker | Tom Green | 2,050 | 6 | 82.0 | ..... | 107 | 9 | 53 | 12 | 41 | 0.53 | ..... | 0.35 | 0.0 | 3 | 22 | 5 | 3 | se. | Jos. Tweedy. |
| Kopperl | Bosque | 576 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.18 | − 1.16 | 1.50 | 0.0 | 5 | 17 | 8 | 5 | s. | T. A. Johnson. |
| Lampasas | Lampasas | 1,026 | 19 | 79.8 | + 0.1 | 107 | 8 | 50 | 12† | 44 | 1.01 | − 2.83 | 0.72 | 0.0 | 6 | 20 | 8 | 2 | s. | Mrs. K. I. Webber. |
| La Parra | Cameron | 38 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | John G. Kennedy. |
| Laureles Ranch | Nueces | 20 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Matt Cody. |
| Le Min Ranch | Terrell | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Lewis Le Min. |
| Liberty | Liberty | 38 | 6 | 78.6 | ..... | 98 | 3 | 52 | 15 | 35 | 4.66 | ..... | 2.00 | 0.0 | 7 | 13 | 13 | 4 | s. | Mrs. Fannie Sneed. |
| Llano | Llano | 1,040 | 19 | 82.6 | + 1.2 | 106 | 9† | 55 | 12 | 35 | 0.06 | − 2.63 | 0.06 | 0.0 | 1 | 24 | 6 | 0 | s. | E. W. Torrence. |
| Llano Grande | Hidalgo | 88 | 2 | 80.8 | ..... | 105 | 30 | 54 | 20 | 44 | 1.00 | ..... | 0.80 | 0.0 | 2 | 27 | 3 | 0 | se. | M. D. Wardlow. |
| Long Lake | Anderson | 229 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.54 | ..... | 0.46 | 0.0 | 2 | 17 | 4 | 9 | s. | Tom Ritson. |
| Longview | Gregg | 336 | 21 | 80.6 | − 0.5 | 103 | 19 | 59 | 12† | 34 | 1.89 | − 3.00 | 0.70 | 0.0 | 5 | 20 | 4 | 6 | sw. | C. A. Propst. |
| Lufkin | Angelina | 325 | 3 | 78.6 | ..... | 96 | 19† | 56 | 12 | 32 | 5.00 | ..... | 1.53 | 0.0 | 8 | 19 | 8 | 3 | s. | T. A. King. |
| Luling | Caldwell | 418 | 21 | 77.8 | − 4.0 | 98 | 27 | 57 | 12 | 34 | 1.05 | − 1.40 | 0.40 | 0.0 | 6 | 17 | 12 | 1 | s. | John Carter. |
| McGregor | McLennan | 713 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | T. E. Streight. |
| Marathon | Brewster | 4,043 | ..... | 74.4 | ..... | 101 | 9 | 53 | 11 | 36 | 2.98 | ..... | 0.80 | 0.0 | 6 | 6 | 13 | 11 | s. | Rev. A. P. Willis. |

TABLE 1.—*Climatological data for June, 1910. District No. 8*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Texas*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Marble Falls | Burnet | 771 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.94 | ..... | 0.82 | 0.0 | 2 | 16 | 8 | 6 | sw. | Wm. Harrison. |
| Marfa | Presidio | | 2 | | | | | | | | 1.30 | ..... | 0.60 | 0.0 | 4 | | | | | R. K. Colquitt. |
| Marshall | Harrison | 375 | 1 | 77.5 | ..... | 97 | 19 | 54 | 12 | 32 | 1.08 | ..... | 0.39 | 0.0 | 5 | 2 | 28 | 0 | e. | Lee Scott. |
| Mexia | Limestone | 537 | 6 | 78.3 | ..... | 97 | 19 | 58 | 12 | 35 | 3.06 | ..... | 2.60 | 0.0 | 4 | 8 | 12 | 10 | s. | Miss Josephine Newman. |
| Midland | Midland | | 3 | | | | | | | | 0.83 | ..... | 0.75 | 0.0 | 2 | 16 | 14 | 0 | sw. | H. J. Elder. |
| Mont Belvieu‖ | Chambers | 65 | | | | | | | | | 3.01 | ..... | 1.15 | 0.0 | 7 | 12 | 12 | 6 | s. | A. R. Shearer. |
| Mt. Blanco | Crosby | 2,750 | 22 | 78.0 | − 2.2 | 107 | 8 | 50 | 12 | 40 | 2.53 | − 0.41 | 2.04 | 0.0 | 2 | 15 | 7 | 8 | se. | H. C. Smith. |
| Nacogdoches | Nacogdoches | 271 | 11 | 76.8 | − 2.2 | 93 | 2† | 55 | 15 | 31 | 4.92 | − 0.28 | 1.90 | 0.0 | 7 | 13 | 11 | 6 | s. | Miss Mary Hofmann. |
| New Braunfels | Comal | 720 | 21 | 79.4‖ | ..... | 99‖ | 9 | 59‖ | 12 | 31‖ | 0.39 | ..... | 0.29‖ | 0.0 | 2‖ | 14[b] | 5[b] | 0[b] | ..... | J. Giesecke. |
| Palestine | Anderson | 510 | 28 | 78.0 | − 0.4 | 93 | 19 | 59 | 15 | 26 | 1.49 | − 2.51 | 0.54 | 0.0 | 7 | 14 | 15 | 1 | sw. | U. S. Weather Bureau. |
| Panter | Hood | 1,000 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.42 | − 2.52 | 0.81 | 0.0 | 5 | ..... | ..... | ..... | ..... | E. H. Snider. |
| Pearsall | Frio | 629 | | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.60 | ..... | 0.34 | 0.0 | 3 | ..... | ..... | ..... | ..... | H. E. Walker. |
| Pierce | Wharton | 102 | 4 | 75.3 | ..... | 95 | 20 | 56 | 12 | 32 | 4.01 | ..... | 1.33 | 0.0 | 6 | 18 | 9 | 3 | ..... | R. B. Pointer. |
| Plainview | Hale | 3,370 | 2 | 76.4 | ..... | 105 | 8 | 47 | 12 | 46 | 0.61 | ..... | 0.30 | 0.0 | 5 | 23 | 6 | 1 | se. | J. F. Sander. |
| Port Lavaca | Calhoun | 20 | 9 | 81.8 | ..... | 100 | 30 | 60 | 12 | 31 | 1.61 | ..... | 0.90 | 0.0 | 3 | 25 | 5 | 0 | se. | J. H. Bickford. |
| Ricardo | Nueces | 57 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Lindsay Waters. |
| Riverside | Walker | 169 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.15 | ..... | 1.30 | 0.0 | 5 | 21 | 1 | 8 | s. | Mrs. C. W. Higdon. |
| Robert Lee | Coke | 1,850 | 2 | 82.9 | ..... | 108 | 8 | 55 | 12 | 39 | 0.29 | ..... | 0.29 | 0.0 | 1 | 23 | 7 | 0 | se. | H. D. Pearce. |
| Rockland | Tyler | 136 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.10 | ..... | 2.61 | 0.0 | 8 | 16 | 3 | 11 | s. | D. W. Bellamy. |
| Rosevilla | Atascosa | 558 | 3 | 83.2 | ..... | 107 | 9 | 59 | 12 | 34 | 1.14 | ..... | 0.52 | 0.0 | 3 | 14 | 15 | 1 | se. | W. F. M. Ross. |
| Runge | Karnes | 308 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.14 | − 1.46 | 0.81 | 0.0 | 2 | ..... | ..... | ..... | ..... | Reiffert & Frobese. |
| Sabinal | Uvalde | 964 | 6 | 83.2 | ..... | 109 | 9 | 60 | 9 | 49 | 0.47 | ..... | 0.26 | 0.0 | 3 | 12 | 12 | 6 | e. | Jas. Johnson. |
| San Angelo | Tom Green | 1,847 | 2 | 83.6‖ | ..... | 106* | 9 | 60[b] | 1† | 40[b] | 0.94 | ..... | 0.82 | 0.0 | 2 | 19* | 8* | 0* | se. | Sam Crowther. |
| San Antonio | Bexar | 701 | 25 | 81.3 | + 0.9 | 104 | 9 | 59 | 12 | 31 | 0.55 | − 2.36 | 0.34 | 0.0 | 3 | 15 | 12 | 3 | se. | U. S. Weather Bureau. |
| San Augustine | San Augustine | 360 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.78 | ..... | 1.11 | 0.0 | 11 | 16 | 8 | 6 | ..... | F. A. Wilson. |
| San Juanito‖ | Hidalgo | | 1 | 88.3 | ..... | 105 | 9† | 66 | 14 | 32 | 2.07 | ..... | 2.03 | 0.0 | 2 | 8 | 3 | 19 | se. | J. B. McAllen. |
| San Marcos | Hays | 588 | 17 | 80.7 | − 0.5 | 99 | 9 | 58 | 12† | 34 | 0.20 | − 3.27 | 0.15 | 0.0 | 2 | 17 | 0 | 13 | s. | Miss L. C. Ford. |
| San Saba | San Saba | 1,712 | 6 | 80.0 | ..... | 106 | 9 | 48 | 12 | 38 | 0.75 | ..... | 0.44 | 0.0 | 6 | 25 | 5 | 0 | s. | Jas. Burns. |
| Santa Gertrudes | Nueces | | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. B. Wright, jr. |
| Seymour | Baylor | 1,180 | 4 | 79.9 | ..... | 103 | 2 | 51 | 12 | 38 | 1.02 | ..... | 0.60 | 0.0 | 4 | 18 | 10 | 2 | s. | F. M. Deaver. |
| Somerville | Burleson | 251 | 1 | 77.9 | ..... | 99 | 30 | 56 | 18† | 42 | 0.34 | ..... | 0.15 | 0.0 | 3 | 18 | 0 | 12 | s. | W. A. Dolan. |
| Sonora | Sutton | 2,200 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mike Murphy. |
| Sugarland | Fort Bend | 79 | 12 | 78.8 | ..... | 100 | 26 | 60 | 1† | 37 | 3.95 | − 0.48 | 1.60 | 0.0 | 6 | 24 | 0 | 6 | s. | O. M. Bakke. |
| Taylor | Williamson | 583 | 9 | 80.1 | + 0.1 | 99 | 9 | 59 | 16 | 32 | 0.68 | − 2.84 | 0.66 | 0.0 | 3 | 21 | 8 | 1 | s. | U. S. Weather Bureau. |
| Temple | Bell | 630 | 16 | 80.6 | + 0.8 | 98 | 9 | 63 | 11† | 28 | 1.39 | − 2.78 | 0.53 | 0.0 | 4 | 20 | 10 | 0 | ..... | H. D. Patterson. |
| Tilden | McMullen | | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Wm. Kuykendall. |
| Tivoli | Refugio | | | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.30 | ..... | 0.30 | 0.0 | 1 | 6 | 22 | 2 | ..... | W. H. Gisler. |
| Uvalde | Uvalde | 937 | 2 | 84.0 | ..... | 114 | 9 | 55 | 12 | 44 | 0.50 | ..... | 0.25 | 0.0 | 3 | 8 | 22 | 0 | se. | F. M. Getsendaner. |
| Valley Junction | Robertson | 289 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.98 | ..... | 1.24 | 0.0 | 4 | 20 | 1 | 9 | s. | T. M. Williams. |
| Victoria | Victoria | 187 | 12 | 81.0 | − 1.2 | 98 | 23† | 61 | 12† | 31 | 2.38 | − 1.01 | 1.20 | 0.0 | 3 | 21 | 4 | 5 | s. | C. C. Zirjacks. |
| Waco | McLennan | 424 | 21 | 82.0 | − 0.4 | 101 | 9 | 61 | 13† | 35 | 2.94 | − 1.17 | 1.42 | 0.0 | 3 | 17 | 3 | 10 | s. | E. H. Hall. |
| Waxahachie | Ellis | 556 | 14 | 80.0 | − 1.2 | 101 | 9† | 51 | 12 | 41 | 2.55 | − 1.12 | 0.83 | 0.0 | 7 | 21 | 4 | 5 | s. | C. D. Longserre. |
| Weatherford | Parker | 864 | 21 | 80.9 | − 1.5 | 105 | 2 | 54 | 12 | 36 | 1.55 | −2.18 | 0.81 | 0.0 | 7 | 25 | 4 | 1 | n. | Miss J. Stickfort. |
| Wharton | Wharton | 105 | 8 | 79.2 | ..... | 97 | 19 | 57 | 22 | 35 | 2.20 | ..... | 0.82 | 0.0 | 7 | 19 | 0 | 11 | s. | Mrs. F. M. Hughs. |
| Wills Point | Van Zandt | 524 | 5 | 78.7 | ..... | 98 | 23 | 59 | 13 | 36 | 1.54 | ..... | 0.86 | 0.0 | 2 | 22 | 5 | 3 | s. | W. W. Gibbard. |
| Zapata | Zapata | 300 | 1 | 87.6 | ..... | 110 | 9† | 62 | 12 | 40 | 0.58 | ..... | 0.34 | 0.0 | 4 | 18 | 12 | 0 | se. | F. H. Earnest. |

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
‖ Estimated by observer.
‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1910. District No. 8, Texas and Rio Grande Valley.*

| Stations. | River basins | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Colorado.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blanca | Rio Grande | .01 | | | | | | | | | | | | T. | T. | | T. | | | | | | | | T. | | | | .25 | | | | 0.26 |
| Cumbres | do | | | | | | | | | | | | | | | T. | T. | | | | | | | | .13 | .13 | | | .39 | | | | 0.65 |
| Garnett | do | .06 | | T. | | | | | | | | | | | | T. | | | | | | | | | | | | | T. | | | | 0.06 |
| Hermit | do | T. | | | | | | | | | | | | | | .03 | .02 | | | | | | | | | | .24 | T. | .14 | .01 | | | 0.44 |
| La Veta Pass | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manassa | do | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | T. |
| Platora | do | T. | T. | | | | | | | | | | | | .06 | .12 | .20 | | | | | | | | .07 | .06 | | .34 | .03 | .02 | | | 0.90 |
| Saguache | do | | | | | T. | | | | | | | | | | .70 | | | | | | | | | | | T. | | T. | .30 | | | 1.00 |
| San Luis | do | T. | | T. | T. | | | | | | | | T. | .15 | .03 | .11 | | | | | | | | | .04 | T. | .04 | T. | .57 | | | | 0.94 |
| Wagon Wheel Gap | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *New Mexico.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agricultural College | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | | .25 | | | | | | 0.25 |
| Alamogordo (near) | do | | | T. | | | | | | | | | T. | | | | | | | | | T. | | T. | .03 | T. | .12 | .85 | | | | | 1.00 |
| Alamogordo | do | | | | | | | | | | | | | | | | | | | | | | | | | T. | T. | .41 | .68 | | | | 1.09 |
| Albuquerque | do | | | | | | | | | | | | | | | .25 | | | | | | | | | | .20 | .20 | .02 | .12 | | | | 0.79 |
| Ancho | do | | | T. | | | T. | | | | | | | | T. | | | | | | | T. | T. | T. | | T. | T. | T | .15 | | | | 0.15 |
| Artesia | Pecos | | | | | | | | | | | | | | | | | | | | | | | | | T. | .32 | T. | | | | | 0.32 |
| Aspen Grove Ranch | Rio Grande | | | | | | | | | | | | .06 | | | .01 | | | | | | | | | | | .08 | | .06 | | | | 0.21 |
| Bateman's Ranch | do | | | | | | | | | | | | | T. | | | | | | | | | | | T. | | T. | .36 | .23 | | | | 0.59 |
| Bluewater | do | | T. | | | | | | | | | | | | | | | | | T. | | T. | | | | | .04 | .13 | .13 | T. | | | 0.30 |
| Bluewater Reservoir | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boaz | Pecos | | | | | | | | | | | | | | | | .22 | | | | | | | | | | | .32 | .20 | | | | 0.74 |
| Capitan | do | | T. | T. | T. | T. | | | | | | | T. | | | .15 | | | | .14 | | | | .30 | | | .20 | .38 | .25 | | | | 1.42 |
| Carlsbad | do | | | | | | | | | | | | | | | | T. | | | | | | | .01 | T. | T. | .01 | | | T. | | | 0.02 |
| Carrizozo | Rio Grande | | | | | | | | | | | | | | | | | | | | | .02 | .01 | .01 | | T. | .15 | | | .07 | | | 0.26 |
| Chama | do | | | | | | | | | | | | | | T. | T. | | | | | | | | | .40 | | | | .20 | | | | 0.60 |
| Clouderoft | Pecos | | | | T. | | | | | | | | | T. | | | | | .05 | | | .05 | | .06 | .03 | .85 | .02 | .75 | .03 | | | | 1.84 |
| Corona | do | | | | | | | | | | | | .02 | | | | T. | | | | | | T. | | T. | | .25 | | .34 | T. | | | 0.61 |
| Coyote | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | .80 | | .20 | .30 | | .40 | | | 1.70 |
| Cundiyo | do | .01 | | | | | | | | | | | | | | T. | | | | | | | | | T. | | | | | | | | 0.01 |
| Demonstration Farm | Pecos | | | .03 | | | | | | | | | | 2.64 | .28 | | | | | | | | | | | | | | .17 | | | | 3.12 |
| Duran | do | | | | | | | | | | | | T. | | | | | | | T. | T. | T. | T. | T. | T. | .42 | T. | .12 | .22 | | | | 0.76 |
| Edison Mine | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elida | Pecos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elk (near) | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Escondido | Rio Grande | | | | .05 | | | | | | | | | | | .02 | .06 | | | .17 | | T. | T. | T. | | .16 | .13 | .03 | | | | | 0.62 |
| Espanola | do | | | | | | | | | | | | | | T. | .09 | | | | | | | | | | | | .02 | | | | | 0.11 |
| Estancia | do | | | | | | | | | | | | .02 | | .14 | .14 | | | | | | | | | .04 | | | | | | | | 0.20 |
| Fort Stanton | Pecos | | | | | | | | | | | | | | .63 | .02 | | | | | | | | | | | .45 | | 1.75 | | | | 2.85 |
| Fort Sumner | do | | | 1.08 | | | | | | | | | | | | .27 | | | | | | | | | | | .14 | | | | | | 1.49 |
| Gallinas | do | | | | | | | | | | | | .21 | | | | .01 | | | | .15 | | | | | | | | | | | | 1.14 |
| Gallinas Pltg. Station | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harvey's Upper Ranch | do | | | | | | | | | | | | T. | .16 | .71 | | | | | T. | | | | T. | .57 | .46 | .34 | | .07 | | | | 2.31 |
| Hillsboro | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hodges | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hondo Reservoir | Pecos | | | .38 | .01 | | | | | | | | | | | | | | | | | | | | .08 | .01 | .23 | .25 | .40 | | | | 1.36 |
| Hope | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hopewell | Rio Grande | | T. | | | | | | | | | | T. | T. | .03 | | | | | | | | | | .02 | T. | T. | T. | .12 | T. | | | 0.17 |
| Jemez Springs | do | | | | | | | | | | | | T. | | T. | | | | | | | | | T. | | T. | .03 | T. | T. | | | | 0.03 |
| Laguna | do | | T. | | | | | | | | | | | | | | | | | | | | | | | | T. | .20 | | | | | 0.20 |
| Lagunita | Pecos | | | | | | | | | | | | | | | | | | | | | T. | .02 | | | T. | T. | | .02 | 1.04 | | | 1.08 |
| Lake Valley | Rio Grande | T. | T. | | | | | | | | | | | | | | | | | T. | T. | T. | T. | T. | .03 | T. | .35 | | T. | | | | 0.38 |
| Las Vegas | Pecos | | | T. | | | | | | | | | | | .02 | .09 | | | | | | | | | | | | | .20 | | | | 0.31 |
| Liston | do | | | .06 | | | | | | | | | | | | .24 | | | | | | | | | * | .11 | .12 | | | | | | 0.53 |
| Los Lunas (near) | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Los Tanos | Pecos | | .10 | .14 | .08 | | | | | | | | | | T. | | | | | T. | | .15 | | | .30 | T. | | | .39 | | | | 1.16 |
| Magdalena | Rio Grande | | | | | | | | | | | | | | | | | | | T. | T. | T. | | | | .05 | .05 | | .50 | .05 | | | 0.65 |
| Malaga | Pecos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral Hill | do | | | | | | | | | | | | | | 1.32 | .10 | | | | | | | | .50 | T. | | | .15 | T. | | | | 2.07 |
| Monterey | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | T. | .10 | .50 | | | | | 0.60 |
| Monument | Pecos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mountainair | Rio Grande | | T. | | T. | T. | | | | | | | T. | T. | | | | | | | T. | T. | T. | | T. | | .31 | .22 | | .35 | | | 0.86 |
| Newman | do | | | | | | | | | | | | | | | | | | | T. | | T. | T. | .25 | .15 | .05 | .46 | .15 | .39 | | | | 1.45 |
| Noria | do | | | | | | | | | | | | | | | | | | | | | | | T. | .02 | .01 | .02 | .15 | | | | | 0.20 |
| Orange | do | | | | | | | | | | | | | | | 1.25 | | | | | | | .50 | | | T. | .75 | .07 | | | | | 2.57 |
| Orogrande | do | | | | | | | | | | | | | | .20 | T. | | | | .25 | | T. | | T. | | .10 | .70 | .18 | .25 | | | | 1.68 |
| Oscura | do | | | | | | | | | | | | | | | | | | | | | | | | .07 | | .12 | .05 | .03 | | | | 0.27 |
| Otis | Pecos | | | T. | | | T. | | | | | | | | | | T. | | | | | | | T. | .12 | .03 | .11 | T. | T. | | | | 0.26 |
| Otto | Rio Grande | | | | | | | | | | | | | | .10 | | | | | | | | | | | | .06 | | .06 | | | | 0.22 |
| Pastura | Pecos | | | | | | | | | | | | | | | | | | | | | | | | | | | .25 | .15 | | | | 0.40 |
| Picacho (near) | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red River Canyon | Rio Grande | | | | | | | | | | | | | | | .20 | | | | | | | | | .20 | .50 | T. | | | | | | 0.90 |
| Rincon | do | .27 | | | | | | | | | | | | | | | | | | | | | | | T. | | .21 | .11 | .43 | | | | 1.02 |
| Rio Grande Dam | do | | | | | | | | | | | | | | | | | | | T. | .10 | T. | | | T. | .05 | .46 | .18 | T. | | | | 0.69 |
| Rosedale | do | T. | | .06 | T. | | | | | | | | | | | | | | | .02 | | T. | T. | T. | T. | .01 | .27 | .04 | 1.23 | .08 | | | 1.71 |
| Roswell | Pecos | | | .31 | | | | | | | | | T. | | | | | | | | | | | T. | .03 | | .12 | .28 | | .01 | | | 0.75 |
| San Marcial | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| San Rafael | do | | | | | | | | | | | | | | | | | | | | | | | | | | | .41 | .11 | | | | 0.52 |
| Santa Fe | do | | T. | T. | | | | | | | | | T. | .01 | .14 | T. | | | | .01 | | T. | | | .01 | .08 | .19 | | .12 | | | | 0.56 |
| Santa Fe Canyon | do | | | | | | | | | | | | | | T. | .10 | | | | | | | | | | .15 | .35 | | | | | | 0.60 |
| Santa Rosa | Pecos | | | T. | .25 | | | | | | | | | | | | | | | .01 | T. | T. | T. | | .07 | T. | | | | .77 | | | 1.10 |
| Socorro | Rio Grande | | .15 | | | | | | | | | | | | | | | | | | | | | | | | .15 | | | 1.20 | .05 | | 1.55 |
| Stanley | do | T. | | T. | | T. | | | | | | | T. | T. | T. | .09 | | | | | | | | | | | | .11 | | .10 | .02 | | | 0.32 |
| Strauss | do | | | | | | | | | | | | | | | | | | | | | .04 | | | | | .22 | .34 | .69 | | | | 1.29 |
| Swastika Ranch | do | | | | | | | | | | | | .12 | | .04 | | | | | | | | | | | | .10 | .36 | .06 | T. | | | 0.68 |
| Taft | Pecos | | | .13 | | | | | | | | | | | | .27 | | | | | | | | | | | .05 | .10 | .18 | | | | 0.73 |
| Taos | Rio Grande | | | | | | | | | | | | | .02 | | | | | | | | | | | .32 | T. | .03 | T. | T. | | | | 0.37 |
| Taos Canyon | do | T. | | | T. | | | | | | | | | .25 | .17 | .20 | | | | | | T. | | | .10 | .33 | T. | | .60 | | | | 1.65 |
| Tecolote | do | | .01 | .01 | | .65 | | | | | | | .02 | | | | | | | | | | | | .35 | | .25 | | .16 | | | | 1.45 |
| Three Rivers | do | | | | | | | | | | | | .04 | | | | | | | T. | | .03 | | .01 | T. | .32 | .02 | .05 | .18 | | | | 0.65 |
| Torrance | Pecos | | | T. | | T. | | | | | | | T. | | | | | | | T. | T. | T. | T. | | T. | .01 | | .02 | .02 | | | | 0.05 |
| Tres Piedras | Rio Grande | | | | | | | | | | | | T. | .05 | T. | | | | | | | | | | | | | T. | T. | | | | 0.05 |
| Truchas | do | | .10 | | | | | | | | | | .10 | .40 | T | T. | | | | | | | | | .20 | T. | | | | | | | 0.80 |
| Tularosa | do | | | | | | | | | | | | | | | | | | | | | | .02 | | | | 27 | .04 | .27 | .37 | | | 0.97 |
| Vaughn | Pecos | | | | | .40 | | | | | | | | | | | | | | | | | | | | | | | | .02 | | | 0.42 |
| Winsors | do | | | | | | | | | | | | | .40 | .11 | .16 | | | | | | | .19 | | | | .09 | | | .09 | .21 | .40 | 1.76 |
| *Texas.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abilene | Brazos | | | | .21 | | .01 | | | | | | | T. | | | | | | | | | | | T. | .03 | .01 | .01 | .09 | .13 | .25 | | 0.74 |
| Albany | do | | | | .43 | | | | | | | | | | | | | | | | | | | | | T. | | | .28 | | .20 | | 0.91 |
| Alvin‖ | Coast | | | | .02 | 1.26 | | | | | | | | | | | | | | | | 1.65 | 1.42 | 1.42 | | | | | | | | | 5.77 |
| Anahuac | do | | | | T. | .74 | | | | | | | | | | | | | | | | .61 | .46 | .80 | .26 | .42 | 1.23 | | | .03 | | | 4.55 |
| Austin | Colorado | | | | .48 | | | | | | | | | | | | | | | | | .10 | | | | | .01 | | .14 | | | | 0.73 |
| Ballinger‖ | do | | | | | 1.12 | | | | | | | | | | | | | | | | | | | | | | .65 | | | | | 1.77 |
| Barstow | Pecos | | | | | | | | | | | | | | | T. | | | | | | | | T. | T. | .13 | .47 | .95 | | | | | 1.55 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 8*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Texas*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bay City | Colorado | | | | | | | .07 | | | | | | | | | | | | | T. | .30 | | 1.58 | | | | | | | | | 1.88 |
| Beaumont[‖] | Neches | .17 | | T. | T. | 1.05 | | .07 | | | | | | | | | | | | | | .28 | | .92 | T. | .57 | | | | T. | .62 | | 3.68 |
| Beeville[‖] | Coast | | | | | 2.40 | | | | | | .45 | | | | | | | | | | | T. | | .48 | 1.43 | | | | | | | 4.76 |
| Big Springs | Colorado | | | | T. | | .46 | | | | T. | | T. | | | | | | | | | | | | .13 | | .03 | .08 | T. | .01 | T. | | 0.71 |
| Blanco[‖] | Guadalupe | | | | | .17 | | | | | | .15 | | | | | | | | | | T. | | | | | T. | | .24 | | | | 0.56 |
| Boerne | San Antonio | | | | .09 | | | | | | T. | | | | | | | | | | | | | .10 | | | | | | .17 | .25 | | 0.61 |
| Booth[‖] | Brazos | | | | | .17 | | | | | | | | | | | | | | | | | .22 | .60 | 1.05 | .03 | 1.48 | | | | | | 3.55 |
| Bowie | Trinity | | | .07 | | | .72 | | | | | | | | | | | | | | | | | | | | | 1.10 | .65 | | | | 2.54 |
| Brazoria | Brazos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brazos[‖] | ...do | | | | .33 | | | .56 | | | | | | | | | | | | | | | | | | | | | | .49 | | 1.38 |
| Brenham[‖] | ...do | .06 | | | .01 | .67 | | | | | | | .01 | | | | | T. | | | | .17 | | | .02 | .13 | T. | | T. | | T. | | 1.07 |
| Bridgeport[‖] | Trinity | | | | .08 | T. | | | 2.20 | | T. | | | | T. | | | | | | | | | | | T. | T. | | | | | | 2.28 |
| Brighton | Coast | | | | | | .70 | | | | .33 | | | | | | | | | | | | | | | | | | | | | | 1.03 |
| Brownsville | Rio Grande | | | | | | | | | | .03 | .01 | | | | | T. | | | | | | | | .04 | | | | | | | | 0.08 |
| Brownwood[‖] | Colorado | | | | | .22 | | | | | | | | | | | | | | | | | | | | | .02 | 1.53 | | .12 | | | 1.89 |
| Cameron[‖] | Brazos | | | | | | .71 | | | | | | | | | | | | | | | | .90 | | | | .66 | .05 | .06 | | .11 | | 2.49 |
| Carmona | Neches | | | | .66 | | | | | | .16 | .15 | .17 | | | | | | | | T. | .47 | T. | .06 | .05 | T. | | T | .04 | T. | | | | 1.76 |
| Claytonville | Brazos | | | | | | | | | | | | | | | | | | | | | | | | .79 | T. | T. | | | | | | 0.79 |
| Coleman | Colorado | | | | T. | | | T. | | | T. | | | | | | | | | | | | | | | T. | T. | .25 | | | .65 | | 0.90 |
| College Station | Brazos | | | | .59 | 1.32 | | | | | | | | | | | | T. | | | | .50 | | .11 | .83 | .15 | .02 | T. | T. | | .12 | | 3.64 |
| Colorado | Colorado | | | | | | | .03 | | .12 | | | | | | | | | | | | | | | | | .24 | | | .74 | | | 1.13 |
| Columbia | Brazos | .50 | | T. | | 1.07 | | | | | .03 | | | | | | | | | .75 | .60 | | 2.10 | 1.35 | | .12 | | | | | | | 6.52 |
| Columbus[‖] | Colorado | | | | | .86 | | | | | | | | | | | | | | | | .76 | | | T. | .14 | | | | T. | | | 1.76 |
| Comstock | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Corpus Christi | Coast | | | | T. | .58 | | | | | .25 | | | | | | | | | | | | | | .11 | T. | | | | | | | 0.94 |
| Corsicana[‖] | Trinity | | | | | 1.17 | | | | | | | | | | | | | | | | | | | | | | .22 | | T. | | | 1.39 |
| Crockett | ...do | | | | .38 | 1.33 | | | | | .16 | | | | | | | | | | T. | | | | .04 | | | | .08 | .31 | | | 2.30 |
| Cuero[‖] | Guadalupe | .16 | | | | 3.27 | | | | | | | .09 | | | | | | | | | | | | .04 | 1.09 | .14 | | | | | | 4.79 |
| Dallas[‖] | Trinity | | | | | .61 | | .76 | | | | | | | | | | | | | | | | | | T. | | | .11 | | .18 | | 1.66 |
| Danevang | Coast | | | | | 1.35 | | | | | | | | | | | | | | | .10 | T. | .45 | 1.75 | T. | | | | | | | | 3.65 |
| Decatur | Trinity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Del Rio | Rio Grande | | | | T. | | | | | | .01 | | | | | | | | | | | | | | | .51 | | | | | | | 0.52 |
| Devine | Nueces | .20 | | | | .18 | | | | | .57 | | | | | | | | | | | | | | .14 | .79 | | | | | | | 1.88 |
| Dialville | Neches | | | | 1.12 | | | | | 1.57 | | | | | | | | | | | | | T. | T. | .24 | | .05 | .02 | | | | | 3.00 |
| Dilley | Nueces | | | | 1.25 | | | | | | | | | | | | | | | | | | | | .30 | .10 | | | | | | | 1.65 |
| Dublin[‖] | Brazos | | | | .78 | .45 | | | | | T. | | | | | | | | | | | | | | | | | .30 | .05 | | .48 | | 2.06 |
| Duval | Colorado | | | | .53 | | | | | | T. | | | | | | | | | | | .59 | | | .07 | T. | | 1.17 | .18 | T. | | | 2.54 |
| Eagle Pass | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | .05 | | | | | | | 0.05 |
| Edna | Lavaca | | | | .60 | | | | | | | | | | | | | | | | | | | .33 | | | | | .03 | | | | 0.96 |
| El Paso | Rio Grande | | | | | T. | | | | | | | | | T. | | | | | T. | | | T. | .02 | .15 | .06 | .92 | .20 | T. | | | | 1.35 |
| Encinal | Nueces | | | | .05 | | | | | 1.39 | | | | | | | | | | | | | | | | 23 | | | | | | | 1.67 |
| Fairland | Colorado | | | | .64 | | | | | | T. | | | | | | | | | | | | | | | .13 | T. | 1.13 | T. | T. | T. | | 1.90 |
| Falfurrias | Coast | | | | | T. | | | | | .18 | | | | | | | | | | | | .18 | .67 | | | | | | | | | 1.03 |
| Flatonia | Guadalupe | | | | T. | .18 | | | | | | | | | | | | | | | | T. | | | .12 | T. | | | .75 | | | | 1.05 |
| Flint | Neches | | | | .59 | | | | | 1.53 | | | | | | | | | | | | | | T. | .08 | | .72 | | T. | | | | 2.92 |
| Fort Clark[‖] | Rio Grande | .28 | | | | | | | | | | T. | | | | | | | | | | | | | | T. | T. | | | | | | 0.28 |
| Fort McIntosh | ...do | | | | | | | | | | | | | | | | | | | | | | | | .30 | | | | | | | | 0.30 |
| Fort Stockton | Pecos | | | T. | | | | | | | | | | | | | | T. | | | | | | T. | T. | T. | .74 | .28 | | | | | 1.02 |
| Fort Worth | Trinity | | | | .17 | | | .34 | | | T. | | | | | | | | | | T. | | | | .01 | .12 | .11 | | .06 | .57 | | | 1.38 |
| Fredricksburg | Colorado | | | | .35 | | | | | | .03 | | | | | | | | | | | | | | | .52 | | | | .21 | | | 1.11 |
| Gainesville | Trinity | | | | | | | .61 | | | | | | | | | | | | | .60 | | | | | | | .31 | | | | | 1.52 |
| Galveston | Coast | | | T. | T. | 2.11 | | | | | .13 | | | | | | | | | | .14 | .13 | .44 | 3.65 | T. | T. | | .01 | .01 | | .08 | | 6.70 |
| Gatesville | Brazos | | | | .65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.65 |
| Georgetown[‖] | ...do | | | | | .50 | | | | | | | | | | | | | | | | 12 | | | .08 | | | .80 | .16 | | | | 1.66 |
| Gonzales[‖] | Guadalupe | .52 | | | | .15 | | | | | | T. | | | | | | | | | | .65 | | | | | .20 | .98 | | | | | 2.50 |
| Graham | Brazos | | | .08 | | | .60 | | | | T. | | | T. | | | | | | | | | | | | .47 | | .73 | | | | | 1.88 |
| Grand Saline | Sabine | | | | 2.18 | | | | .30 | | | | | | | | | | | | .30 | | 2.20 | T. | .14 | 2.51 | | | | | | 7.63 |
| Grapevine | Trinity | | | | .36 | T. | | 1.62 | | | | | | | | | | | | | .05 | | .16 | .60 | 1.60 | | | .56 | | | | 4.95 |
| Greenville[‖] | Sabine | | | | | 1.45 | | | | | .55 | | | | | | | | | | | T. | | | | .95 | .30 | | | | | 3.25 |
| Hallettsville | Lavaca | | | | T. | .09 | | | | | T. | | | | | | | T. | | | | .28 | T. | T. | .39 | T. | | | | T. | | 0.96 |
| Harper | Colorado | | | | .55 | | | | | | | | | | | | | | | | | | | | | .70 | | | | .75 | | | 2.00 |
| Haskell | Brazos | | | | | | | | | | | | | | | | | | | | | | | | | | | | .60 | | | | 0.60 |
| Hebbronville | Coast | | | | | | | | | | .15 | | | | | | | | | | | | | | | | | | | | | | 0.15 |
| Hempstead[‖] | Brazos | | | | | .80 | | | | | | | | | | | | | | | | T. | | | .85 | 1.15 | | T. | T. | T. | | | 2.80 |
| Henderson | Neches | | | | T. | .58 | | | | | .65 | T. | | | | | | | | | | | | | .10 | | 13 | 1.40 | T. | | | | 2.86 |
| Hewitt | Brazos | | | | .48 | | | | | | T. | | | | | | | | | | | | | | T. | | .11 | .34 | T. | .09 | .12 | | 1.14 |
| Hillsboro | ...do | | | | | | | | | | | | | | | | | | | | | | | | | .21 | .11 | | | | | | 0.32 |
| Hondo | Nueces | | | | .05 | | | | | | .10 | | | | | | | | | | | | | | | | | | | | .16 | | 0.31 |
| Houston | Coast | | | | .57 | .04 | | | | | | | | | | | | | | | .08 | .20 | .24 | .60 | .01 | .02 | | | T. | | .25 | | 2.10 |
| Huntsville[‖] | Trinity | | | | | 1.05 | | | | | | | | | | | | | | | | 1.05 | | T. | .25 | .11 | 2.20 | | | T. | | | 4.66 |
| Jewett[‖] | ...do | | | | | 1.00 | | | | | T. | | | | | | | | | | | | | | .45 | | .17 | T. | .13 | T. | 1.20 | | 2.95 |
| Junction | Colorado | | | 1.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.20 |
| Kaufman | Trinity | | | | .95 | .47 | | .03 | | | | | | | | | | | | | | | T. | | | .75 | .05 | .30 | 1.05 | .02 | | | 3.62 |
| Keene | Brazos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kerrville[‖] | Guadalupe | | | | | .25 | | | | | | | | | | | | | | | | | | | | | | | .25 | | | | 0.50 |
| Knickerbocker | Colorado | | | | .35 | | | | | | T. | | | | | | | | | | | | | | T. | T. | .14 | | | T. | .04 | | 0.53 |
| Kopperl[‖] | Brazos | | | | | .20 | | | | | T | T. | | | | | | | | | | | | | | | 1.50 | .20 | .12 | | .16 | | 2.18 |
| Lampasas[‖] | ...do | | | | | .04 | | | | | | | | | | | | | | | | | | | | | .03 | .72 | .18 | .03 | .01 | | 1.01 |
| La Parra | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laureles Ranch | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Le Min Ranch | Pecos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liberty[‖] | Trinity | .81 | | | .07 | 1.05 | | | | | T. | | | | | | | T. | | | | .50 | .08 | T. | 2.00 | .15 | T. | | T. | T. | T. | | 4.66 |
| Llano | Colorado | | | | .06 | | | | | | | | | | | | | | | | | | | | | | T. | | T. | | | | 0.06 |
| Llano Grande | Rio Grande | | | | | | | | | | .80 | | | | | | | | | | | | | | .20 | | | | | | | | 1.00 |
| Long Lake[‖] | Trinity | | | | | .46 | | | | | T. | .08 | | | | | | | | | | | | | | | | T. | | | | | 0.54 |
| Longview[‖] | Sabine | | | | | .70 | | | | | | | | | | | | | | | | | | | .06 | .33 | .27 | .53 | | | | | 1.89 |
| Lufkin | Neches | | | | 1.53 | 1.23 | | | | | .67 | | | | | | | | | | .66 | .30 | | .07 | | | | .43 | | .11 | | | 5.00 |
| Luling[‖] | Guadalupe | .40 | | | | .36 | | | | | | .06 | | | | | | | | | | | | | .05 | .06 | | | .12 | | | | 1.05 |
| McGregor | Brazos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marathon | Rio Grande | | | | | T. | | | | | | | | | | | | .33 | | | | | | .55 | .40 | .45 | .80 | .45 | | | | | 2.98 |
| Marble Falls[‖] | Colorado | | | | | .82 | | | | | | | | | | | | | | | | | | | | | | | .12 | T. | | | 0.94 |
| Marfa | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | .40 | .10 | .60 | .20 | | | | | 1.30 |
| Marshall | Sabine | | | | .39 | .34 | | | | | | | | | | | | | | .07 | | | | | | | .18 | .10 | | | | | 1.08 |
| Mexia[‖] | Brazos | | | | | 2.60 | | | | | T. | | | | | | | | | | | | | | .27 | | | .17 | | .02 | | 3.06 |
| Midland | Colorado | | | T. | T. | .75 | | | | | | | | | | | | | | | | | | | .08 | | | | | | | 0.83 |
| Mont Belvieu | Coast | | | | .01 | .40 | | | | | | | | | | | | | | | .91 | T. | 1.15 | .04 | .45 | T. | | | .05 | | T. | | 3.01 |
| Mt. Blanco | Brazos | | | | | | | | | | | | | | | | | | | | | | | | | | .49 | | 2.04 | | | | 2.53 |
| Nacogdoches[‖] | Neches | T. | | | | .94 | | | | | .56 | | | | | | | | | | T. | T. | | .58 | T. | .44 | | 1.90 | .13 | .37 | | | 4.92 |
| New Braunfels | Guadalupe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Palestine | Trinity | | | | .50 | .04 | | | T. | .08 | | | | | | | | T. | | | | | | T. | .52 | .04 | .29 | .02 | T. | | | | 1.49 |
| Panter | Brazos | | | | .81 | T. | T. | | | | | | | | | | | | | | | | | | T. | T. | .20 | .12 | .04 | | .25 | | 1.42 |
| Pearsall | Nueces | | | .12 | | | | | | | .14 | | | | | | | | | | | | | | .34 | | | | | | | | 0.60 |
| Pierce | Colorado | | | | .80 | .36 | | | | | | | | | | | | | | | 1.33 | | .58 | .65 | | .29 | | | | | | | 4.01 |
| Plainview | Brazos | | | | T. | .10 | | | | | | | | | | | | T. | | | | | | | | | .03 | .17 | .30 | .01 | | | 0.61 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 8*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Tota'. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Texas*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Lavaca | Coast | | | .55 | | | | | | | .16 | | | | | | | | | | | | T. | | .90 | T. | | | | | | | 1.61 |
| Ricardo | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Riverside[‖] | Trinity | | | | | 1.30 | | | | | | | | | | | | | | | | T. | | .20 | 1.25 | T. | .20 | T. | .20 | T. | | | 3.15 |
| Robert Lee[‖] | Colorado | | | | | | .29 | | | | T. | | | | | | | | | | | | | | | | | | | | | | 0.29 |
| Rockland[‖] | Neches | | .56 | | | 2.61 | | | | | | | | .15 | | | | | | | | | | | .47 | | .10 | .35 | | 1.60 | .26 | | 6.10 |
| Rossville | Nueces | | | | | .52 | | | | | .11 | | | | | | | | | | | | | | .51 | T. | | | | | | | 1.14 |
| Runge | San Antonio | | | | .81 | | | | | | | .33 | | | | | | | | | | | | | | | | | | | | | 1.14 |
| Sabinal | Nueces | | | | | .17 | | | | | .26 | | | | | | | | | | | | | | | .04 | | | | | | | 0.47 |
| San Angelo | Colorado | | | | .12 | | | | | | | | | | | | | | | | | | | | | | .82 | | | | | | 0.94 |
| San Antonio | San Antonio | | | | .34 | | | | | | .12 | | | | | | | | | | | | | | .09 | T. | | | | T. | | | 0.55 |
| San Augustine | Neches | | | | .54 | 1.10 | | | | | .01 | .06 | | | | | | T. | T. | | | | .54 | .01 | .05 | .98 | .36 | 1.11 | .02 | | | | 4.78 |
| San Juanito | Coast | | | | | T. | | | | | 2.03 | | | | | | | | | | | | T. | | .04 | | | | | | | | 2.07 |
| San Marcos[‖] | Guadalupe | | | | | .15 | | | | | | | | | | | | | | | | .05 | | | | | | | | | | | 0.20 |
| San Saba | Colorado | | | | .44 | .01 | | | | | T. | | | | | | | | | | | | | | T. | .05 | | | .10 | .09 | .06 | | 0.75 |
| Santa Gertrudes[‖] | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seymour | Brazos | | | | .14 | | .60 | .10 | | | | | | T. | | | | | | | | | | | | | | .18 | | | | | 1.02 |
| Somerville | ...do | | | | | .10 | | | | | | | | | | | | | | | .15 | | T. | | .09 | | | | | | | | 0.34 |
| Sonora | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugarland | Brazos | | | | 1.60 | | | | | | | | | | | | | | | | .10 | | .80 | .40 | .60 | .45 | | | | | | | 3.95 |
| Taylor | ...do | | | | .66 | | | | | | | | | | | | | | | | | | | T. | | | | .01 | .01 | | T. | | 0.68 |
| Temple[‖] | Brazos | | | | T. | .53 | | | | | | | | | | | | | | | | | | | | .33 | | | .15 | | .38 | | 1.39 |
| Tilden | Nueces | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tivoli | Guadalupe | | | | | | | | | | .30 | | | | | | | | | | | | | | | | | | | | | | 0.30 |
| Uvalde | Nueces | | | | | | | | | | .10 | | | | | | | | | | | | | | .15 | .25 | | | | | | | 0.50 |
| Valley Junction[‖] | Brazos | | | | | | 1.24 | | | | .20 | | | | | | | | | | | .10 | | | | | | | | | .44 | | 1.98 |
| Victoria[‖] | Guadalupe | | | | | 1.20 | | | | | | | | | | | | | | | | | | .73 | .45 | | | | | | | | 2.38 |
| Waco[‖] | Brazos | | | | | 1.42 | | | | | | | | | | | | | | | | | | | | | | 1.12 | T. | .40 | | | 2.94 |
| Waxahachie[‖] | Trinity | | | | | .83 | .06 | | | | | | | | | | | | | | | | | | | | .63 | .66 | .18 | .04 | .15 | | 2.55 |
| Weatherford[‖] | ...do | | | | .36 | .02 | | .81 | T. | | | | | | | | | | | | | | | | | | .03 | | .04 | .27 | .02 | | 1.55 |
| Wharton[‖] | Colorado | T. | | | .12 | .23 | | | | | | | | | | | | .60 | | | | .13 | .13 | .17 | .82 | | | | | | | | 2.20 |
| Wills Point | Sabine | | | | .86 | | | | | | | | | | | | | | | | T. | | | | T. | T. | .68 | | | | | | 1.54 |
| Zapata | Rio Grande | | | | | .04 | .06 | | | | | | | | | | | | | | | | .34 | .14 | | | | | | | | | 0.58 |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 8, Texas and Rio Grande Valley.*

| Date. | Colorado. | | | | New Mexico. | | | | | | | | | | | | | | | | Texas. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Garnett. | | San Luis. | | Agricultural College. | | Carlsbad. | | Fort Stanton. | | Mountainair. | | Roosdale. | | Roswell. | | Santa Fe. | | Santa Rosa. | | Abilene. | | Big Springs. | | Brownsville. | | Corpus Christi. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1... | 82 | 39 | 80 | 46 | 95 | 60 | 100 | 55 | 90 | 46 | 89 | 49 | 84 | 49 | 97 | 54 | 83 | 49 | 98 | 62 | 102 | 67 | 101 | 66 | 93 | 71 | 85 | 73 |
| 2... | 82 | 40 | 79 | 49 | 92 | 60 | 103 | 59 | ..... | ..... | 95 | 55 | 83 | 58 | 99 | 61 | 82 | 54 | 99 | 65 | 105 | 77 | 103 | 72 | 90 | 72 | 87 | 71 |
| 3... | 83 | 38 | 80 | 41 | 80 | 66 | 100 | 76 | ..... | ..... | 91 | 57 | 77 | 59 | 94 | 63 | 80 | 52 | 91 | 62 | 102 | 70 | 101 | 72 | 89 | 76 | 84 | 76 |
| 4... | 80 | 39 | 81 | 40 | 93 | 62 | 100 | 75 | ..... | ..... | 89 | 53 | 82 | 54 | 93 | 62 | 80 | 54 | 94 | 54 | 95 | 67 | 101 | 72 | 91 | 78 | 84 | 79 |
| 5... | 78 | 37 | 80 | 36 | 98 | 59 | 99 | 61 | 86 | 48 | 92 | 52 | 85 | 65 | 93 | 62 | 82 | 50 | 89 | 63 | 90 | 65 | 99 | 72 | 95 | 78 | 84 | 68 |
| 6... | 82 | 34 | 76 | 45 | 97 | 61 | 104 | 65 | 92 | 50 | 90 | 53 | 87 | 60 | 98 | 65 | 80 | 50 | 96 | 59 | 99 | 74 | 97 | 63 | 93 | 73 | 85 | 76 |
| 7... | 80 | 36 | 77 | 41 | 97 | 59 | 106 | 64 | 91 | 54 | 92 | 53 | 88 | 58 | 99 | 62 | 82 | 50 | 97 | 62 | 96 | 69 | 101 | 72 | 93 | 74 | 84 | 75 |
| 8... | 84 | 35 | 78 | 40 | 101 | 61 | 109 | 61 | 95 | 49 | 93 | 54 | 92 | 62 | 104 | 67 | 84 | 51 | 100 | 61 | 103 | 73 | 108 | 72 | 95 | 73 | 85 | 76 |
| 9... | 78 | 40 | 79 | 33 | 103 | 59 | 106 | 70 | 94 | 55 | 93 | 56 | 90 | 65 | 100 | 58 | 80 | 49 | 95 | 54 | 93 | 71 | 98 | 72 | 93 | 76 | 89 | 77 |
| 10... | 78 | 35 | 77 | 33 | 93 | 65 | 102 | 69 | 86 | 50 | 84 | 49 | 82 | 56 | 85 | 63 | 78 | 51 | 84 | 54 | 86 | 62 | 89 | 63 | 92 | 72 | 83 | 72 |
| 11... | 76 | 34 | 77 | 36 | 87 | 66 | 89 | 58 | 83 | 43 | 85 | 42 | 79 | 47 | 81 | 53 | 74 | 44 | 86 | 40 | 80 | 59 | 83 | 61 | 89 | 71 | 83 | 72 |
| 12... | 80 | 35 | 80 | 43 | 90 | 60 | 98 | 58 | 92 | 44 | 95 | 54 | 91 | 55 | 89 | 59 | 81 | 53 | 90 | 54 | 86 | 54 | 85 | 66 | 89 | 65 | 82 | 68 |
| 13... | 82 | 37 | 79 | 45 | 90 | 63 | 90 | 66 | 83 | 52 | 82 | 50 | 86 | 54 | 88 | 64 | 76 | 58 | 88 | 63 | 81 | 63 | 91 | 61 | 89 | 64 | 82 | 77 |
| 14... | 77 | 34 | 75 | 40 | 97 | 74 | 92 | 64 | 82 | 53 | 90 | 46 | 85 | 55 | 87 | 59 | 75 | 55 | 88 | 55 | 89 | 59 | 93 | 62 | 90 | 65 | 83 | 73 |
| 15... | 79 | 37 | 79 | 41 | 98 | 67 | 95 | 69 | 79 | 51 | 86 | 53 | 84 | 56 | 91 | 63 | 73 | 60 | 92 | 58 | 92 | 65 | 96 | 65 | 90 | 65 | 83 | 71 |
| 16... | 72 | 43 | 75 | 39 | 94 | 62 | 99 | 65 | 85 | 49 | 88 | 55 | 82 | 50 | 95 | 61 | 75 | 54 | 94 | 57 | 91 | 66 | 96 | 68 | 91 | 72 | 84 | 78 |
| 17... | 80 | 33 | 77 | 35 | 99 | 52 | 105 | 62 | 92 | 49 | 91 | 47 | 87 | 52 | 96 | 60 | 80 | 48 | 98 | 50 | 96 | 72 | 101 | 72 | 91 | 77 | 85 | 79 |
| 18... | 84 | 37 | 82 | 36 | 102 | 52 | 104 | 62 | 93 | 43 | 97 | 53 | 89 | 56 | 99 | 55 | 84 | 50 | 102 | 51 | 98 | 73 | 101 | 72 | 91 | 73 | 85 | 77 |
| 19... | 85 | 35 | 87 | 36 | 103 | 63 | 102 | 62 | 90 | 49 | 99 | 57 | 90 | 60 | 97 | 62 | 86 | 55 | 102 | 62 | 98 | 73 | 101 | 73 | 93 | 74 | 87 | 77 |
| 20... | 84 | 40 | 82 | 36 | 100 | 61 | 98 | 62 | 89 | 48 | 87 | 58 | 85 | 60 | 94 | 60 | 83 | 56 | 102 | 60 | 98 | 73 | 103 | 73 | 92 | 73 | 88 | 74 |
| 21... | 82 | 47 | 80 | 44 | 99 | 65 | 100 | 63 | 88 | 52 | 95 | 56 | 84 | 56 | 96 | 59 | 80 | 54 | 98 | 60 | 98 | 73 | 103 | 73 | 93 | 74 | 88 | 74 |
| 22... | 82 | 40 | 79 | 42 | 97 | 68 | 99 | 62 | 87 | 49 | 84 | 56 | 83 | 53 | 94 | 62 | 81 | 55 | 95 | 57 | 99 | 73 | 101 | 72 | 92 | 76 | 85 | 77 |
| 23... | 81 | 34 | 78 | 46 | 92 | 71 | 98 | 70 | 86 | 54 | 91 | 55 | 76 | 64 | 96 | 64 | 79 | 56 | 99 | 55 | 98 | 74 | 93 | 71 | 91 | 77 | 85 | 78 |
| 24... | 77 | 41 | 73 | 52 | 93 | 60 | 95 | 62 | 88 | 51 | 88 | 54 | 86 | 54 | 91 | 66 | 78 | 68 | 92 | 63 | 96 | 74 | 102 | 67 | 91 | 78 | 85 | 77 |
| 25... | 80 | 40 | 77 | 38 | 85 | 63 | 90 | 62 | 73 | 58 | 78 | 49 | 76 | 50 | 84 | 64 | 71 | 49 | 82 | 60 | 95 | 71 | 97 | 69 | 91 | 76 | 85 | 79 |
| 26... | 78 | 40 | 76 | 45 | 80 | 64 | 90 | 67 | 70 | 54 | 76 | 51 | 69 | 51 | 84 | 64 | 72 | 51 | 85 | 62 | 97 | 68 | 98 | 69 | 93 | 74 | 88 | 76 |
| 27... | 79 | 39 | 76 | 40 | 85 | 64 | 88 | 65 | 73 | 50 | 73 | 50 | 67 | 50 | 86 | 63 | 73 | 51 | 88 | 58 | 95 | 70 | 96 | 68 | 93 | 74 | 93 | 74 |
| 28... | 75 | 40 | 75 | 42 | 89 | 64 | 90 | 65 | 75 | 53 | 80 | 58 | 73 | 49 | 86 | 65 | 74 | 54 | 86 | 62 | 97 | 71 | 103 | 67 | 93 | 74 | 92 | 74 |
| 29... | 79 | 36 | 72 | 44 | 93 | 66 | 97 | 62 | 83 | 50 | 84 | 51 | 80 | 51 | 89 | 66 | 78 | 51 | 91 | 61 | 97 | 71 | 103 | 70 | 93 | 76 | 93 | 77 |
| 30... | 80 | 34 | 78 | 37 | 88 | 61 | 102 | 64 | ..... | ..... | 89 | 51 | 85 | 55 | 97 | 62 | 81 | 52 | 96 | 58 | 100 | 66 | 104 | 73 | 96 | 76 | 92 | 76 |
| 31... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mns | 80.0 | 37.6 | 78.1 | 40.7 | 94.6 | 62.6 | 98.3 | 64.2 | 85.6[4] | 50.2[4] | 88.2 | 52.6 | 82.9 | 55.5 | 92.7 | 61.6 | 78.8 | 52.5 | 93.2 | 58.4 | 95.1 | 68.8 | 98.3 | 68.9 | 91.8 | 73.2 | 85.9 | 75.0 |

| Date. | Texas. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Del Rio. | | El Paso. | | Fort McIntosh. | | Fort Stockton. | | Fort Worth. | | Galveston. | | Hallettsville. | | Houston. | | Lufkin. | | Palestine. | | Plainview. | | San Antonio. | | Seymour. | | Taylor. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1... | 97 | 64 | 93 | 66 | 102 | 72 | 103 | 58 | 97 | 64 | 81 | 69 | 90 | 65 | 87 | 64 | 89 | 58 | 88 | 64 | 100 | 54 | 93 | 63 | 98 | 60 | 93 | 64 |
| 2... | 101 | 65 | 94 | 70 | 103 | 72 | 105 | 65 | 104 | 73 | 81 | 74 | 92 | 70 | 88 | 66 | 92 | 66 | 92 | 68 | 104 | 66 | 94 | 67 | 103 | 74 | 96 | 70 |
| 3... | 97 | 70 | 87 | 66 | 103 | 75 | 106 | 66 | 95 | 70 | 83 | 75 | 91 | 71 | 88 | 70 | 90 | 67 | 88 | 69 | 96 | 65 | 92 | 70 | 101 | 71 | 91 | 70 |
| 4... | 91 | 73 | 92 | 63 | 103 | 80 | 105 | 69 | 88 | 70 | 82 | 77 | 92 | 77 | 86 | 68 | 85 | 66 | 86 | 68 | 89 | 59 | 92 | 67 | 88 | 66 | 93 | 65 |
| 5... | 97 | 71 | 97 | 70 | 102 | 80 | 101 | 67 | 86 | 67 | 86 | 70 | 93 | 70 | 89 | 68 | 85 | 66 | 83 | 66 | 85 | 57 | 92 | 67 | 85 | 62 | 88 | 67 |
| 6... | 97 | 73 | 97 | 74 | 101 | 78 | 107 | 68 | 90 | 68 | 83 | 76 | 93 | 72 | 91 | 72 | 91 | 67 | 87 | 66 | 99 | 55 | 91 | 72 | 97 | 64 | 90 | 70 |
| 7... | 97 | 76 | 98 | 72 | 100 | 80 | 107 | 72 | 90 | 64 | 84 | 77 | 92 | 70 | 91 | 71 | 93 | 72 | 90 | 72 | 100 | 63 | 90 | 70 | 89 | 65 | 89 | 70 |
| 8... | 99 | 76 | 100 | 72 | 104 | 80 | 110 | 70 | 95 | 72 | 84 | 76 | 93 | 70 | 91 | 72 | 93 | 72 | 88 | 73 | 105 | 67 | 93 | 72 | 102 | 72 | 92 | 70 |
| 9... | 111 | 76 | 101 | 74 | 111 | 80 | 110 | 69 | 97 | 73 | 84 | 78 | 95 | 73 | 90 | 72 | 91 | 73 | 89 | 72 | 99 | 63 | 104 | 73 | 86 | 71 | 99 | 72 |
| 10... | 95 | 71 | 89 | 67 | 110 | 75 | 101 | 67 | 81 | 66 | 86 | 78 | 89 | 75 | 89 | 74 | 87 | 66 | 83 | 69 | 81 | 62 | 86 | 70 | 83 | 59 | 86 | 72 |
| 11... | 89 | 68 | 87 | 64 | 93 | 75 | 85 | 58 | 79 | 63 | 79 | 71 | 87 | 68 | 80 | 66 | 81 | 61 | 77 | 62 | 76 | 54 | 82 | 66 | 79 | 52 | 81 | 64 |
| 12... | 89 | 60 | 99 | 69 | 94 | 75 | 97 | 61 | 82 | 57 | 82 | 68 | 86 | 60 | 84 | 62 | 81 | 56 | 79 | 60 | 84 | 47 | 86 | 59 | 82 | 51 | 84 | 61 |
| 13... | 89 | 68 | 98 | 70 | 94 | 72 | 87 | 65 | 77 | 61 | 84 | 72 | 88 | 59 | 86 | 64 | 85 | 68 | 81 | 61 | 77 | 58 | 88 | 63 | 75 | 59 | 84 | 60 |
| 14... | 91 | 70 | 98 | 71 | 96 | 72 | 90 | 65 | 85 | 61 | 82 | 73 | 90 | 64 | 87 | 66 | 86 | 64 | 83 | 64 | 85 | 50 | 89 | 65 | 86 | 57 | 87 | 62 |
| 15... | 93 | 69 | 97 | 70 | 95 | 70 | 95 | 67 | 87 | 60 | 83 | 73 | 90 | 64 | 86 | 65 | 88 | 58 | 85 | 59 | 88 | 55 | 89 | 66 | 90 | 62 | 88 | 64 |
| 16... | 92 | 67 | 94 | 66 | 101 | 72 | 98 | 66 | 90 | 64 | 82 | 77 | 92 | 64 | 88 | 66 | 91 | 59 | 87 | 63 | 90 | 58 | 91 | 62 | 91 | 66 | 91 | 59 |
| 17... | 97 | 75 | 97 | 61 | 102 | 80 | 105 | 70 | 95 | 73 | 85 | 78 | 94 | 74 | 90 | 70 | 93 | 63 | 90 | 72 | 101 | 61 | 93 | 75 | 97 | 71 | 94 | 73 |
| 18... | 95 | 72 | 100 | 65 | 102 | 80 | 101 | 71 | 96 | 73 | 84 | 78 | 96 | 72 | 92 | 72 | 94 | 72 | 90 | 73 | 97 | 63 | 93 | 74 | 98 | 73 | 94 | 72 |
| 19... | 94 | 72 | 100 | 73 | 102 | 80 | 98 | 70 | 97 | 74 | 84 | 77 | 96 | 70 | 94 | 71 | 96 | 70 | 93 | 72 | 96 | 62 | 94 | 74 | 97 | 69 | 94 | 71 |
| 20... | 97 | 74 | 98 | 68 | 102 | 78 | 98 | 70 | 94 | 74 | 86 | 71 | 96 | 71 | 93 | 71 | 95 | 70 | 90 | 72 | 96 | 64 | 95 | 72 | 98 | 71 | 96 | 72 |
| 21... | 97 | 72 | 95 | 69 | 101 | 78 | 102 | 68 | 99 | 70 | 80 | 73 | 94 | 69 | 86 | 67 | 91 | 65 | 91 | 69 | 96 | 67 | 95 | 72 | 99 | 71 | 95 | 70 |
| 22... | 96 | 74 | 95 | 70 | 101 | 78 | 101 | 68 | 95 | 73 | 80 | 71 | 96 | 72 | 84 | 70 | 90 | 68 | 88 | 71 | 97 | 64 | 94 | 72 | 100 | 68 | 94 | 72 |
| 23... | 96 | 76 | 92 | 75 | 102 | 78 | 98 | 70 | 93 | 72 | 81 | 67 | 94 | 73 | 85 | 71 | 89 | 72 | 89 | 72 | 95 | 60 | 95 | 75 | 98 | 73 | 95 | 74 |
| 24... | 95 | 75 | 90 | 66 | 100 | 78 | 90 | 72 | 94 | 71 | 84 | 78 | 88 | 75 | 87 | 73 | 89 | 69 | 83 | 70 | 94 | 60 | 90 | 74 | 98 | 72 | 88 | 72 |
| 25... | 89 | 74 | 80 | 64 | 97 | 80 | 85 | 67 | 93 | 73 | 85 | 79 | 89 | 73 | 85 | 74 | 89 | 70 | 90 | 71 | 87 | 64 | 88 | 74 | 97 | 71 | 90 | 72 |
| 26... | 94 | 70 | 76 | 61 | 100 | 75 | 90 | 62 | 89 | 71 | 85 | 78 | 94 | 72 | 91 | 72 | 93 | 71 | 88 | 72 | 86 | 65 | 92 | 72 | 96 | 69 | 93 | 70 |
| 27... | 97 | 71 | 82 | 62 | 102 | 75 | 86 | 64 | 94 | 70 | 84 | 78 | 95 | 72 | 91 | 73 | 89 | 70 | 90 | 73 | 89 | 62 | 97 | 73 | 98 | 74 | 91 | 73 |
| 28... | 100 | 72 | 88 | 66 | 104 | 78 | 95 | 65 | 91 | 75 | 85 | 79 | 96 | 74 | 91 | 75 | 92 | 73 | 90 | 72 | 89 | 63 | 99 | 74 | 94 | 72 | 93 | 70 |
| 29... | 102 | 73 | 92 | 71 | 105 | 78 | 95 | 67 | 88 | 71 | 88 | 80 | 96 | 76 | 92 | 75 | 96 | 72 | 91 | 74 | 89 | 63 | 98 | 75 | 89 | 71 | 97 | 73 |
| 30... | 101 | 76 | 96 | 65 | 107 | 78 | 102 | 83 | 91 | 72 | 85 | 78 | 95 | 76 | 90 | 77 | 92 | 72 | 90 | 73 | 93 | 65 | 100 | 76 | 90 | 73 | 93 | 73 |
| 31... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mns | 95.8 | 71.4 | 93.4 | 68.0 | 101.3 | 76.7 | 98.4 | 67.3 | 91.1 | 68.8 | 83.4 | 75.0 | 92.4 | 70.4 | 88.4 | 69.9 | 89.9 | 67.2 | 87.3 | 68.7 | 92.1 | 60.6 | 92.5 | 70.1 | 92.8 | 67.0 | 91.3 | 68.9 |

## Climatological Data for June, 1910.

## DISTRICT No. 9, COLORADO VALLEY,

FREDERICK H. BRANDENBURG, District Editor.

### GENERAL SUMMARY.

Low pressure and a practically stagnant atmosphere exerted the controlling influence on the weather conditions of the month, and the hot, dry weather, characteristic of June, prevailed scarcely without interruption. Except in a few localities, temperatures were above the normal during the first 12 days, with marked excesses throughout the district, and in Arizona again on the 10th and 11th. During the remainder of the month the weather was somewhat cooler in the southern half, and in general it was warmer than normal in the northern half of the district, except during the last 3 days, which were relatively cool throughout the district. While scattering showers fell near the beginning of the month, the amounts and areas covered were too small to be of practical benefit to the ranges or to increase the discharge of the smaller streams, the flow from which had become inadequate for the needs of irrigation. Range grass remained very short and stock was suffering from the effects of the prolonged dry period. The drought, however, was somewhat relieved in most localities near the close of the month.

### TEMPERATURE.

The mean temperature of the 125 stations reporting was 70.7°, or 0.9° above the normal. By subdivisions the means and departures were: Western Wyoming, 59.1°, +5.6°; western Colorado, 60.5°, +2.3°; eastern Utah, 66.8°, +3.5°; western New Mexico, 70.8°, +0.8°; Arizona, 78.5°, −0.3°. The highest monthly mean was 93.0° at Mohawk Summit, Ariz.; the lowest, 49.2°, at Fraser, Colo. The extremes were: 120° at Gila Bend and Mohawk Summit, Ariz., on the 10th, and 20° at Silverton, Colo., on the 22d. In western Wyoming the maximum reached 95°; in the valleys of western Colorado, 98°; and in eastern Utah, western New Mexico, southeastern Nevada, and Arizona readings considerably above 100° were noted at many stations.

### PRECIPITATION.

The average precipitation for the 170 stations reporting was 0.56 inch, or 0.06 inch above the normal. By watersheds the means and departures were: Green, 0.46, −0.32; Grand, 0.58, −0.20; San Juan, 0.69, +0.01; Little Colorado, 0.53, +0.12; Gila, 0.52, +0.13; Mimbres, 0.99, +0.46; Colorado, proper, 0.51, +0.31. The greatest monthly amount was 4.00 inches at Baker, Utah, while none fell at 7 stations in Arizona and 2 in Nevada. On an average there were 2 days with 0.01 inch or more of precipitation.

Heavy showers over a small area in Paradise Valley, 18 miles north of Phoenix, during the afternoon and evening of June 27, caused the washing out of the large Arizona canal in 21 places in the distance of 1 mile, and caused a rise in the Salt River at Tempe of several feet. Some of the low lands in Paradise Valley, adjacent to Salt River, were badly eroded.

### MISCELLANEOUS.

The amount of sunshine was extraordinary: Durango reported 88 per cent of the possible; Grand Junction, 89 per cent; Flagstaff, 92 per cent; Phoenix, 96 per cent; and Yuma, 99 per cent. The relative humidity was 40 per cent or lower.

There were a number of high winds and sandstorms, but the damage was not great.

---

## THE WATER-POWER RESOURCES OF COLORADO, WITH SPECIAL REFERENCE TO STREAM FLOW.

By W. B. FREEMAN, District Engineer, U. S. Geological Survey.

For an intelligent discussion of the conservation of the water resources of Colorado it is quite important to know the amount and value of these resources. In this paper I will attempt to show first the total run-off or flow of our streams and rivers, and, secondly, the amount of water power which it will be possible to derive from them. The State has been divided into the following drainage basins, which include the streams named and their tributaries in Colorado: The Arkansas River; the South Platte River; the North Platte (Republican); the Rio Grande; the Green River, which embraces the White; the Grand River, including the Dolores and Gunnison; and the San Juan River.

### RUN-OFF OF COLORADO STREAMS.

Records of stream flow, extending over periods of from 1 to 20 years, have been obtained on some of the streams in each of the drainage basins outlined above, from which it is impossible to make estimates of the total flow. Some time ago I made a study of this total run-off, with a view to determining the amount of run-off water which actually reached our streams. In this study I made the assumption that natural conditions existed; that is, the conditions which obtained before the settlement of the country and the construction of irrigation and other hydraulic work. Neglecting possible changes which may have been made in the average rate of run-off by cultivation, grazing, and deforestation, the average run-off should be the same now as it was at that time. These figures do not exactly represent the amount of water which would actually leave the State if no water were used, because no allowance has been made for evaporation and other losses. In a great many cases they are very approximate because of the inadequacy of stream measurements. I think, however, they are of considerable value as showing the relative size of our stream systems.

TABLE 1.—*Estimated mean annual run-off of rivers in Colorado.*

| Stream system. | Annual run-off. |
|---|---|
| | *Acre-feet.* |
| Arkansas River and tributaries in Colorado | 1,600,000 |
| Cimarron River and tributaries in southeastern Colorado | 10,000 |
| Grand River, including Dolores-Gunnison, in Colorado | 6,500,000 |
| Green River drainage in Colorado | 2,000,000 |
| North Platte River and tributaries in Colorado | 600,000 |
| Republican River and tributaries in Colorado | 30,000 |
| Rio Grande River and tributaries in Colorado | 1,100,000 |
| San Juan River and tributaries in Colorado | 2,400,000 |
| South Platte River and tributaries in Colorado | 1,400,000 |
| Total in Colorado | 15,640,000 |

It will be noted that of this total average of 15,640,000 acre-feet per annum, the eastern slope, with a drainage area of 65,000 square miles, or 63 per cent of the total area of the State, yields but 4,750,000 acre-feet, or 30 per cent of the total; while the western slope, with an area of 38,700 square miles, yields 10,900,000 acre-feet, or 70 per cent of the total. The average rate of run-off for the State is 150 acre-feet per square mile per annum, equivalent to a depth of 3 inches over the entire surface. The rate for the western slope is 280 acre-feet per square mile per annum, equivalent to a depth of 5⅓ inches; and for the eastern slope it is 73 acre-feet per square mile per annum, or a little over 1⅓ inch. This large difference between the rates of run-off on the two sides of the Continental Divide is easily accounted for when it is considered that there is very little area on the western slope below an elevation of 6,000 feet, and a great deal of it is between 10,000 and 14,000 feet high, while fully one-half the eastern drainage area is at an elevation of 5,000 feet or less. Moreover, in the high mountains the run-off is usually greater for the western than for the eastern slope.

There is a very large drainage area in eastern Colorado which is practically nonproductive as to run-off, so that the average depth of run-off over the area on the eastern side of the mountains is probably more nearly 2 inches for the portion which is

productive of run-off. Table 2 gives the area of watershed and the average annual depth of run-off in inches for the various watersheds in Colorado. An inch in depth is equivalent to a rate of about 53 acre-feet per square mile per annum.

TABLE 2.

| Drainage basin. | Drainage area. | Depth of run-off annually. |
|---|---|---|
| | *Sq. mi.* | *Inches.* |
| Arkansas | 25,000 | 1.2 |
| Cimarron | 3,000 | 0.06 |
| Grand | 22,000 | 5.6 |
| Green | 11,000 | 3.4 |
| North Platte | 1,900 | 6.0 |
| Republican | 8,000 | 0.07 |
| Rio Grande | 7,700 | 2.7 |
| San Juan | 5,700 | 8.0 |
| South Platte | 19,400 | 1.4 |

An average annual run-off as great as 30 inches and over has been recorded in the high mountains, particularly at the headwaters of the San Juan River. On the other hand, there are large areas where it is less than one-half inch and where it would require 40 square miles of drainage area to produce enough water to irrigate one section of land. If this fact were more generally known it might serve to check some of the numerous "wildcat" irrigation schemes in this State, which have no basis whatever for existence. There are too many opportunities for legitimate irrigation development.

About 2,000,000 acres of land are now being irrigated in Colorado on the eastern side of the Continental Divide. With proper conservation of the water supply this acreage should be nearly doubled. On the western slope there are probably less than 500,000 acres of irrigated land, while there is water enough to irrigate 7,000,000 acres. A very considerable percentage of this acreage is available for irrigation, though it will never be possible to utilize all of the waters of the Grand River proper, or a very large percentage of the waters of the San Juan, to irrigate Colorado land. It is believed that at least 8,000,000 acres of land should eventually be irrigated in this State, or three times the amount that is now under irrigation.

### POWER RESOURCES OF COLORADO.

In connection with the report to the Conservation Commission in 1908, the U. S. Geological Survey compiled figures on the water-power possibilities of this State under existing conditions with reference to irrigation. Use was made of the best maps and data available, and the figures are considered fairly accurate. In this compilation the average low water flow during the 6 high months of the year was taken as a basis, and the amount of power which the different streams could develop with this minimum was determined. In other words, a water-power plant could operate with a maximum capacity equal to this minimum for 6 months each year. Then, if there were no storage for the equalization of the flow, the plant would either have to shut down or operate at a capacity of less than the maximum for the remaining 6 months.

The storage facilities along the various streams were also investigated, and an estimate made of the amount of power which it would be possible to develop from storage during the 6 months' period over and above the amount derived from the minimum flow during the 6 high months. The stored waters could be released as needed, and it is fair to assume that they would be used to augment the natural flow during the 6 low-water months; thus, in many cases, making the average for that period as much or more than the minimum for the 6 high months.

The minimum flow of a stream during a year determines the minimum power or primary power which can be developed, and a power plant can furnish this amount of power continuously without storage. In Table 3 the minimum power considered is the average minimum for a 7-year period, and the minimum for a year was computed from the average flow for the lowest 14-day period during that year. This table shows the power possibilities of the State divided into the drainage areas outlined at the beginning of the paper. The horsepower computations were made on the assumption that 90 per cent of the total fall could be utilized, and that the efficiency of the water wheels would be 80 per cent.

TABLE 3.—*Estimated horsepower of rivers in Colorado.*

| | Minimum. | Minimum for 6 high months. | From storage during a period of 6 months. |
|---|---|---|---|
| Arkansas River and tributaries in Colorado | 102,800 | 176,000 | 312,600 |
| Cimarron and tributaries in Colorado | | | |
| Grand River, including Dolores-Gunnison in Colorado | 456,000 | 857,000 | 1,274,000 |
| Green River drainage in Colorado | 75,700 | 205,500 | 455,000 |
| North Platte River and tributaries in Colorado | 5,200 | 13,900 | 12,800 |
| Republican River and tributaries in Colorado | | | |
| Rio Grande River and tributaries in Colorado | 46,700 | 75,500 | 55,500 |
| San Juan River and tributaries in Colorado | 54,600 | 113,500 | 115,200 |
| South Platte River and tributaries in Colorado | 87,400 | 231,700 | 335,100 |
| Total in Colorado | 828,400 | 1,673,100 | 2,560,200 |

The total minimum or primary horsepower is 828,400, of which 586,300, or 70 per cent, is on the western slope; the minimum for the 6 high months is 1,673,100, 70 per cent of which is on the western slope; and the horsepower from storage during the 6 months' period is 2,560,200, 72 per cent of which is on the western slope. It is rather a noteworthy fact that the western slope can furnish the same percentage of the total power as it does of the total stream flow of the State, but of course irrigation has not interfered with possibilities for power development on that slope to the same extent as it has on the eastern slope. It will be noted that just about 50 per cent of the water horsepower available in the State is to be found in the Grand River system.

Combining the minimum horsepower for the 6 high months with the horsepower from storage during a 6-month period, we obtain 2,117,000 horsepower as the average continuously available. It is believed that it will be possible eventually to utilize 1,000,000 horsepower by harnessing the streams of this State without interfering with the use of water for irrigation purposes. On the assumption that 20 tons of coal per year are required to produce 1 horsepower, the development of this amount of water power will some day mean a saving of 20,000,000 tons of coal annually, or twice the amount which was mined in the State in 1908. At the present time it is likely that it will be practicable to save 3,000,000 tons per year, with the value at the mines of over $4,000,000, by the use of water power. It is not known what the relative advantage of water is over steam power in this State. On the assumption that it is only $10 per horsepower per annum, there should be a saving of at least $2,000,000 a year if water power were used to the extent that it should be.

The census of 1908 shows that there were 353 water wheels in the State, with a total capacity of 78,878 horsepower. The figures of the U. S. Geological Survey, compiled in the same year, show that there were probably less than 50 plants in the State with a capacity of 50 horsepower or over, and that the total actual water power development amounted to about 50,000 horsepower. Since then a few plants have been completed, most notably, the Shoshone Plant of the Central Colorado Power Company. It is safe to say that the total is still less than 100,000 horsepower, which is 10 per cent of the total possible.

*Resume.*—When the irrigated area of the State is increased 3 times and 10 times the present water power development made possible, Colorado will still have some chance to conserve her water power—her greatest natural resource. There seems to be abundant opportunity for beneficial legislation, both State and National.

TABLE 1.—*Climatological data for June, 1910. District No. 9, Colorado Valley.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Wyoming.* | | | | | | | | | | | | | | | | | | | | |
| Daniel | Uinta | 6,740 | 11 | 54.8 | + 4.9 | 85 | 27 | 25 | 3† | 53 | 0.15 | − 0.94 | 0.15 | 0.0 | 1 | 20 | 9 | 1 | nw. | J. M. Van Dervort. |
| Dixon | Carbon | | | | | | | | | | | | | | | | | | | Chas. Spillman. |
| Eden | Sweetwater | 6,577 | 2 | 59.8 | | 88 | 20† | 26 | 4 | 50 | 0.16 | | 0.10 | 0.0 | 3 | 12 | 15 | 3 | w. | Eden Valley L. and I. Co. |
| Green River | ...do | 6,083 | 5 | 65.4 | + 6.2 | 95 | 27 | 32 | 4† | 46 | 0.01 | | 0.01 | 0.0 | 1 | 20 | 6 | 4 | w. | Geo. H. Maxon. |
| Kendall | Fremont | 7,630 | | | | | | | | | | | | | | | | | | Art. Doyle. |
| Pinedale | ...do | 7,167 | 4 | 56.4 | | 88 | 27 | 21 | 22 | 63 | 0.03 | | 0.02 | 0.0 | 2 | 19 | 10 | 1 | nw. | U. S. Forest Service. |
| Rambler | Carbon | 9,232 | | | | | | | | | 1.02 | | 0.62 | 0.0 | 3 | 16 | 12 | 2 | w. | J. C. Fothergill. |
| *Colorado.* | | | | | | | | | | | | | | 0.0 | | | | | | Dan McArthur. |
| Ashcroft | Pitkin | 9,483 | 8 | 53.8[c] | | 79[c] | 12† | 26[c] | 10 | 47[c] | | | | 0.0 | | | | | | Dan McArthur. |
| Breckenridge | Summit | 9,536 | 20 | 51.0 | + 2.8 | 77 | 20 | 24 | 10 | 49 | 0.36 | − 0.70 | 0.20 | 0.0 | 3 | 0 | 29 | 1 | nw. | Mrs. J. G. Thompson. |
| Cascade‖ | San Juan | 8,900 | 4 | | | | | | | | 1.08 | | 0.72 | 0.0 | 6 | 21 | 5 | 4 | e. | San Juan P. and W. Co. |
| Chromo | Archuleta | 7,500 | 4 | 58.9 | | 87[a] | 19 | 27[a] | 9 | 57[a] | 0.36 | | 0.30 | 0.0 | 4 | | | | sw. | Lawrence Nolan. |
| Cochetopa | Saguache | 9,088 | | | | | | | | | 0.50 | | 0.36 | 0.0 | 4 | 12 | 15 | 3 | w. | Bessie McDonough. |
| Colibran | Mesa | 6,000 | 17 | 65.0 | | 87 | 19 | 42 | 9 | 37 | 0.08 | − 0.53 | 0.08 | 0.0 | 1 | 22 | 7 | 1 | sw. | A. A. Wood. |
| Columbine | Routt | 8,766 | | | | | | | | | | | | | | | | | | Mrs. M. A. Caron. |
| Columbine Ranch | Delta | 6,925 | | | | | | | | | 0.03 | | 0.03 | 0.0 | 1 | 20 | 5 | 5 | s. | Geo. W. Wade. |
| Corona | Grand | 11,660 | 3 | | | | | | | | | | | | | | | | | U. S. Weather Bureau. |
| Crawford (near) | Montrose | 6,600 | | 66.3 | | 85 | 12† | 43 | 30 | 34 | 0.14 | | 0.11 | 0.0 | 2 | 25 | 4 | 1 | | C. W. Roe. |
| Crested Butte | Gunnison | 8,867 | | 51.5 | | 78 | 11† | 26 | 7† | 51 | 0.93 | | 0.50 | 0.0 | 3 | 15 | 11 | 4 | w. | Charles L. Ross. |
| De Beque | Mesa | 4,935 | | | | | | | | | | | | | | | | | | C. M. Paine. |
| Delta | Delta | 4,965 | 19 | 70.0 | + 2.1 | 97 | 19 | 40 | 10 | 52 | 0.04 | − 0.28 | 0.03 | 0.0 | 2 | 24 | 2 | 4 | | E. M. Getta. |
| Dillon | Summit | 8,800 | 1 | | | 81 | 20† | | | | 0.50 | | 0.30 | 0.0 | 2 | 18 | 10 | 2 | n. | Harry T. Hamilton. |
| Dolores | Montezuma | 6,500 | 1 | | | | | | | | | | | | | | | | | Geo. R. Simmons, jr. |
| Durango | La Plata | 6,534 | 17 | 63.6 | + 1.5 | 88 | 12 | 39 | 17 | 44 | 0.72 | + 0.07 | 0.64 | 0.0 | 3 | 15 | 14 | 1 | nw. | U. S. Weather Bureau. |
| Eagle | Eagle | 6,598 | 5 | | | | | | | | | | | | | | | | | J. M. Witteman. |
| Eureka‖ | San Juan | 10,000 | 3 | | | | | | | | 0.85 | | 0.45 | T. | 5 | | | | | San Juan P. & W. Co. |
| Fraser | Grand | | | 49.2 | | 75 | 19† | 23 | 9† | 50 | C.90 | | 0.40 | 0.0 | 5 | 12 | 9 | 9 | w. | L. D. C. Gaskill. |
| Fruita | Mesa | 4,510 | 11 | 70.6 | + 2.1 | 98 | 20 | 42 | 6 | 50 | 0.84 | + 0.59 | 0.81 | 0.0 | 2 | 21 | 7 | 2 | sw. | J. B. Willsea. |
| Gladstone ‖ | San Juan | 10,400 | 3 | | | | | | | | | | | | | | | | | San Juan P. & W. Co. |
| Glenwood Springs (near) | Garfield | 5,823 | 12 | 64.8 | + 3.6 | 91 | 23† | 36 | 11 | 52 | 0.27 | − 0.41 | 0.27 | 0.0 | 1 | 29 | 1 | 0 | w. | E. A. O'Neil. |
| Grand Junction | Mesa | 4,608 | 19 | 75.4 | + 3.8 | 98 | 19 | 51 | 10 | 39 | 0.25 | − 0.09 | 0.24 | 0.0 | 2 | 22 | 6 | 2 | nw. | U. S. Weather Bureau. |
| Grandlake | Grand | 8,153 | 2 | | | | | | | | 1.23 | | 0.40 | 0.0 | 6 | | | | | Mrs. Belle Kauffman. |
| Grand Valley | Garfield | 5,089 | 18 | 69.0 | + 2.9 | 96 | 3 | 39 | 7† | 51 | 0.33 | − 0.25 | 0.33 | 0.0 | 1 | | | | | David Evans. |
| Gunnison | Gunnison | 7,670 | 17 | 56.5 | + 1.6 | 90 | 20 | 25 | 16 | 55 | 0.27 | − 0.32 | 0.15 | 0.0 | 3 | 16 | 12 | 2 | sw. | Clarence Adams. |
| Hayden | Routt | 6,337 | 1 | | | | | | | | | | | | | | | | | C. W. Harkness. |
| Hesperus | La Plata | 8,870 | 11 | | | | | | | | | | | | | | | | | John S. Spear. |
| Horsefly | Montrose | 8,700 | | | | | | | | | 0.41 | | 0.21 | 0.0 | 3 | 15 | 12 | 3 | sw. | L. J. Finch. |
| Ironton | Ouray | 10,000 | | | | | | | | | 0.70 | | 0.33 | 0.0 | 6 | 6 | 21 | 3 | sw. | P. H. Foley. |
| Kremmling (near) | Grand | 7,337 | 2 | 57.2 | | 85 | 27 | 31 | 10 | 49 | 1.18 | | 0.40 | 0.0 | 5 | 15 | 12 | 10 | | H. A. Howe. |
| Lake City | Hinsdale | 8,686 | 5 | 58.1 | | 82 | 19 | 33 | 10† | 45 | 0.43 | | 0.28 | 0.0 | 4 | 14 | 15 | 1 | s. | J. F. Maurer. |
| Lay | Routt | 6,190 | 16 | 61.5 | + 2.3 | 92 | 19 | 24 | 9 | 56 | 0.20 | − 0.39 | 0.16 | 0.0 | 2 | 16 | 8 | 6 | sw. | A. G. Wallihan. |
| Leal | Grand | 8,750 | | | | | | | | | 0.07 | | 0.03 | 0.0 | 4 | 17 | 13 | 0 | | L. J. Wade. |
| Lujane | Montrose | 6,620 | 4 | 68.4 | | 90 | 1† | 46 | 10† | 39 | 0.11 | | 0.10 | 0.0 | 2 | 20 | 7 | 3 | sw. | U. S. Reclamation Service. |
| Mancos | Montezuma | 6,960 | 11 | 62.6 | + 2.5 | 87 | 19 | 35 | 10 | 48 | 0.96 | + 0.17 | 0.96 | 0.0 | 1 | 20 | 8 | 2 | sw. | B. M. Krumpanitzky. |
| Marble | Gunnison | 7,951 | 1 | 56.9 | | 84 | 19 | 28 | 10 | 47 | 0.83 | | 0.30 | 0.0 | 4 | 16 | 12 | 2 | se. | Homer Harrington. |
| Marshall Pass | Saguache | 10,846 | 7 | | | | | | | | T. | | T. | T. | 0 | 19 | 11 | 0 | w. | William D. Lillard. |
| Meeker | Rio Blanco | 6,182 | 18 | 58.6 | + 0.8 | 89[b] | 19 | 30[b] | 8† | 59[b] | 0.60 | − 0.43 | 0.37 | 0.0 | 3 | 14 | 15 | 1 | sw. | T. Baker. |
| Montrose (near) | Montrose | 5,811 | 21 | 63.4 | − 0.3 | 90 | 13 | 37 | 10 | 48 | 0.21 | − 0.11 | 0.20 | 0.0 | 2 | 26 | 4 | 0 | | R. Butterfield. |
| Nast | Pitkin | 7,953 | | 56.9 | | 80 | 22 | 36 | 10 | 40 | 0.87 | | 0.51 | 0.0 | 2 | 19 | 10 | 1 | w. | Arthur Hanthorn. |
| Pagoda | Routt | 6,500 | 19 | 58.7 | + 1.5 | 88 | 19 | 28 | 9 | 52 | 0.40 | − 0.58 | 0.16 | 0.0 | 3 | 28 | 1 | 1 | | Shaw Brothers. |
| Pagosa Springs | Archuleta | 7,108 | 3 | 58.2 | | 87 | 12† | 27 | 23 | 57 | 1.02 | | 0.75 | 0.0 | 3 | 16 | 13 | 1 | sw. | E. T. Walker. |
| Paonia | Delta | 5,694 | 15 | 68.5 | | 93 | 19 | 45 | 7 | 41 | 0.05 | − 0.37 | 0.05 | 0.0 | 1 | 19 | 9 | 2 | sw. | J. M. Underwood. |
| Parshall | Grand | | 1 | | | | | | | | 0.25 | | 0.20 | 0.0 | 2 | | | | | F. A. Field. |
| Pitkin | Gunnison | 9,500 | 1 | | | | | | | | 0.75 | | 0.54 | 0.0 | 3 | 24 | 5 | 1 | s. | Mrs. Maggie Cammann. |
| Rangely | Rio Blanco | 5,050 | 11 | 68.3 | + 5.2 | 97 | 11 | 38 | 9 | 53 | 0.95 | − 0.46 | 0.95 | 0.0 | 1 | 13 | 12 | 5 | w. | Mrs. C. P. Hill. |
| Redcliff | Eagle | 8,695 | 15 | | | | | | | | | | | | | | | | | Dorothea Greiner. |
| Rico | Dolores | 8,824 | 8 | | | | | | | | 1.20 | | 0.64 | 0.0 | 5 | 22 | 5 | 3 | sw. | Clinton B. Smith. |
| River Portal | Montrose | 6,570 | 4 | 65.0 | | 89 | 11† | 39 | 9† | 46 | 0.12 | | 0.04 | 0.0 | 3 | 23 | 5 | 2 | | U. S. Reclamation Service. |
| Sapinero | Gunnison | 8,125 | 8 | 55.1 | | 80 | 19 | 30 | 17 | 46 | 0.34 | | 0.13 | 0.0 | 8 | 20 | 8 | 2 | w. | W. F. Irving. |
| Shoshone | Garfield | 6,110 | | 64.8 | | 81 | 19 | 46 | 17 | 30 | 0.27 | | 0.11 | 0.0 | 4 | 13 | 12 | 5 | | Central Colo. Power Co. |
| Silt | ...do | 5,441 | 13 | | | | | | | | | | | | | | | | | W. S. Park. |
| Silverton (1) | San Juan | 9,285 | 6 | 53.2 | | 89 | 24 | 20 | 22 | 61 | 0.96 | | 0.36 | 0.0 | 8 | 19 | 11 | 0 | sw. | A. P. Root, jr. |
| Silverton (near) ‖ | ...do | 9,400 | 3 | 50.2 | | 75 | 12† | 26 | 17 | 46 | 0.97 | | 0.48 | 0.0 | 3 | 18 | 6 | 6 | sw. | San Juan P. & W. Co. |
| Spruce Lodge | Grand | 9,600 | 2 | | | | | | | | 1.45 | | 0.72 | 0.0 | 9 | | | | | H. J. Wills. |
| Steamboat Springs | Routt | 6,683 | 7 | 56.3 | | 87 | 19 | 24 | 9 | 58 | 0.37 | | 0.19 | 0.0 | 3 | 28 | 0 | 2 | | M. E. Houston. |
| Tacoma ‖ | La Plata | 7,300 | 3 | 60.5 | | 85 | 12† | 35 | 10 | 46 | 0.90 | | 0.90 | 0.0 | 1 | 19 | 6 | 5 | | San Juan P. & W. Co. |
| Terminal Dam ‖ | ...do | 8,300 | 3 | | | | | | | | 1.27 | | 0.66 | 0.0 | 5 | 23 | 6 | 1 | n. | Do. |
| Uncompahgre Plateau | Montrose | 8,400 | | | | | | | | | 0.57 | | 0.28 | 0.0 | 3 | 18 | 10 | 2 | sw. | Martin Esser. |
| Whitepine | Gunnison | 9,500 | 10 | 51.2 | | 74 | 19 | 28 | 17 | 42 | T. | | T. | 0.0 | 0 | 16 | 14 | 0 | s. | C. E. Macy. |
| Yampa | Routt | 8,000 | 1 | | | | | | | | 0.38 | | 0.20 | 0.0 | 2 | 9 | 18 | 3 | w. | Percy A. Hughes. |
| *Utah.* | | | | | | | | | | | | | | | | | | | | |
| Baker | San Juan | 7,560 | 1 | | | | | | | | 4.00 | | 3.80 | 0.0 | 3 | 23 | 4 | 3 | s. | Maude A. Palmer. |
| Basin | Grand | 9,500 | 1 | | | | | | | | 2.38 | | 1.92 | 0.0 | 3 | 14 | 14 | 2 | sw. | E. H. Wolf. |
| Castle Dale | Emery | 5,500 | 11 | 67.2 | | 93 | 14 | 40 | 22† | 48 | 2.25 | | 1.40 | 0.0 | 2 | 29 | 1 | 0 | | James Jeffs. |
| Emery | ...do | 6,260 | 10 | 62.6 | | 87 | 26 | 40 | 3† | 45 | 0.45 | | 0.45 | 0.0 | 1 | 1 | 11 | 18 | s. | H. C. Wickman. |
| Escalante | Garfield | 5,700 | 10 | 65.2 | | 92 | 11 | 37 | 7 | 47 | 0.72 | | 0.72 | 0.0 | 1 | 24 | 0 | 6 | | Geo. H. Barney. |
| Fort Duchesne | Uinta | 5,000 | 22 | 67.1 | + 2.3 | 97 | 26† | 36 | 4† | 54 | 0.39 | + 0.12 | 0.25 | 0.0 | 3 | 21 | 5 | 4 | s. | B. F. Mudd. |
| Grayson | San Juan | 5,750 | 6 | | | | | | | | 1.25 | | 0.75 | 0.0 | 2 | | | | | Joseph A. Lyman. |
| Green River | Emery | 4,080 | 13 | 78.7 | + 5.8 | 105 | 1 | 51 | 5 | 45 | 0.33 | + 0.28 | 0.24 | 0.0 | 2 | 26 | 4 | 0 | sw. | B. F. Miller. |
| Hanksville | Wayne | | | | | | | | | | | | | | | | | | | F. G. Weber. |
| Hite | Garfield | 3,000 | 11 | | | | | | | | | | | | | | | | | John P. Hite. |
| La Sal | San Juan | 7,000 | 10 | 64.2[d] | | 86 | 1 | 45 | 7 | 37 | 1.18 | | 0.60 | 0.0 | 2 | 22 | 2 | 2 | | Gertrude W. Carpenter. |
| Loa | Wayne | 7,000 | 18 | | | | | | | | | | | | | | | | | Michael Hansen. |
| Mill Canyon | Washington | 8,400 | | | | | | | | | | | | | | | | | | J. A. Gardner. |
| Moab | Grand | 4,000 | 21 | 76.2 | + 5.0 | 103 | 1 | 48 | 11 | 52 | 1.32 | + 1.11 | 1.02 | 0.0 | 2 | 19 | 8 | 3 | | Henry Crouse. |
| Monticello | San Juan | | 2 | | | | | | | | | | | | | | | | | D. B. Perkins. |
| Orderville | Kane | | | | | | | | | | 0.36 | | 0.36 | | 1 | | | | | F. A. Porter. |
| Price | Carbon | 5,557 | | | | | | | | | | | | | | | | | | C. A. Guiwits. |
| Ranch | Kane | 6,700 | 9 | 57.0 | | 86 | 25 | 31 | 7† | 49 | 0.46 | | 0.24 | 0.0 | 2 | 27 | 2 | 1 | w. | J. W. Seaman. |
| Saint George | Washington | 2,880 | 29 | 77.8 | + 3.2 | 107 | 26 | 48 | 9 | 57 | 0.60 | + 0.55 | 0.60 | 0.0 | 1 | | | | | Joseph T. Atkin. |
| Scofield | Carbon | 7,625 | 2 | | | | | | | | | | | | | | | | | O. E. Jorgensen. |
| Springdale | Washington | | 3 | | | | | | | | 0.20 | | 0.20 | 0.0 | 1 | | | | | Wm. W. Flanigan. |
| Strawberry | Wasatch | | 4 | 57.8 | | 83 | 11 | 30 | 9 | 44 | 0.29 | | 0.20 | 0.0 | 3 | 17 | 11 | 2 | | U. S. Reclamation Service. |
| Sunnyside | Carbon | 5,280 | 2 | | | | | | | | 0.45 | | 0.40 | 0.0 | 3 | | | | | Henry Cullum. |
| Tenmile | Wayne | 7,000 | 2 | 65.4 | | 88 | 1 | 44 | 9† | 42 | 0.70 | | 0.70 | 0.0 | 1 | | | | | Josiah Shurts. |
| Thistle | Wasatch | 5,507 | 5 | 64.2 | | 92 | 27 | 35 | 7 | 51 | 0.51 | | 0.33 | 0.0 | 2 | 13 | 14 | 3 | | M. M. Smith. |
| Troy | Garfield | 7,000 | 13 | 65.2 | + 4.2 | 94 | 1 | 35 | 7 | 49 | 1.08 | + 0.69 | 0.57 | 0.0 | 2 | 23 | 7 | 0 | nw. | E. P. Bolton. |

TABLE 1.—*Climatological data for June, 1910. District No. 9*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Utah*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Vernal | Uinta | 5,050 | 15 | 67.2 | + 0.7 | 93 | 19 | 36 | 9 | 48 | 0.15 | − 0.24 | 0.15 | 0.0 | 1 | 27 | 2 | 1 | | Joab Collier. |
| *New Mexico.* | | | | | | | | | | | | | | | | | | | | |
| Alma | Socorro | 5,500 | 11 | 73.4 | + 4.0 | 104 | 10 | 39 | 17 | 60 | 0.09 | − 0.35 | 0.08 | 0.0 | 2 | 15 | 14 | 1 | s. | M. A. Balke. |
| Aragon | ...do | 5,856 | 3 | 61.2 | ..... | 90 | 8† | 30 | 17 | 57 | 0.30 | ..... | 0.23 | 0.0 | 3 | 18 | 9 | 3 | sw. | John R. Milligan. |
| Blackrock | McKinley | 6,500 | 2 | 67.0 | ..... | 90 | 1† | 40 | 16† | 46 | 0.62 | ..... | 0.62 | 0.0 | 1 | 20 | 10 | 0 | w. | Wm. J. Oliver. |
| Bloomfield | San Juan | 5,500 | 15 | 69.9 | + 1.7 | 100 | 19 | 39 | 9 | 56 | 0.07 | − 0.30 | 0.07 | 0.0 | 1 | 13 | 15 | 2 | sw. | Fred Le Clerc. |
| Cambray | Luna | 4,215 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.95 | + 0.42 | 0.50 | 0.0 | 3 | 8 | 22 | 0 | w. | Southern Pacific Co. |
| Columbus | ...do | 4,054 | ..... | ..... | ..... | 106 | 18 | 61 | 27 | 38 | 2.34 | ..... | 1.84 | 0.0 | 4 | 18 | 2 | 10 | sw. | El Paso & Southwest. R.R |
| Deming | ...do | 4,333 | 33 | 78.0 | ..... | 105 | 10 | 47 | 17 | 48 | 0.43 | − 0.15 | 0.43 | 0.0 | 2 | 5 | 6 | 19 | w. | Southern Pacific Co. |
| Dulce | Rio Arriba | 6,767 | 12 | 62.0 | + 1.9 | 91 | 19 | 31 | 9† | 58 | 0.44 | − 0.01 | 0.42 | 0.0 | 4 | 16 | 8 | 6 | sw. | John M. Commons. |
| Fort Bayard | Grant | 6,152 | 35 | 68.2 | − 3.0 | 95 | 19 | 42 | 19 | 53 | 2.40 | + 1.68 | 1.10 | 0.0 | 4 | 20 | 4 | 6 | w. | U. S. Gen'l. Hospital. |
| Fort Wingate | McKinley | 6,997 | 46 | 68.8 | + 1.0 | 89 | 12 | 46 | 10† | 38 | 0.30 | − 0.32 | 0.20 | 0.0 | 2 | 12 | 11 | 7 | sw. | Post Hospital. |
| Fruitland | San Juan | 4,800 | 17 | 70.2 | + 1.7 | 96 | 12† | 37 | 9 | 54 | 0.25 | + 0.11 | 0.25 | 0.0 | 1 | 20 | 10 | 0 | w. | Cyril James Collyer. |
| Gage | Luna | 4,486 | 3 | 78.2 | ..... | 104 | 19 | 54 | 17 | 46 | 0.50 | − 0.10 | 0.29 | 0.0 | 2 | 19 | 10 | 1 | e. | Southern Pacific Co. |
| Gila (near) | Grant | 4,470 | 11 | 74.0[e] | 0.0 | 106[f] | 19 | 40 | 17 | 64[f] | 1.10 | + 0.67 | 1.00 | 0.0 | 5 | ..... | ..... | ..... | ..... | Miss Cozella Clark. |
| Hachita | ...do | 4,504 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.45 | ..... | 0.20 | 0.0 | 4 | 18 | 10 | 2 | nw. | El Paso & Southwest. R.R. |
| Haynes | Rio Arriba | 6,600 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.04 | ..... | 0.04 | 0.0 | 1 | 30 | 0 | 0 | nw. | Dr. John Roger Haynes. |
| Hermanas | Luna | 4,451 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.51 | ..... | 0.50 | 0.0 | 2 | 20 | 8 | 2 | w. | El Paso & Southwest. R.R. |
| Lordsburg | Grant | 4,245 | 10 | 78.6 | − 0.6 | 103 | 19 | 54 | 10† | 42 | 0.60 | + 0.34 | 0.48 | 0.0 | 3 | 19 | 10 | 1 | sw. | Southern Pacific Co. |
| Luna (near) | Socorro | 7,300 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. B. Martin. |
| Manuelito | McKinley | 6,252 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mrs. H. F. Irick. |
| Mimbres | Grant | 5,007 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.68 | ..... | 0.22 | 0.0 | 5 | 20 | 8 | 2 | nw. | Chas. Dennis. |
| Pratt | ...do | 4,415 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.77 | ..... | 0.30 | 0.0 | 5 | 21 | 9 | 0 | sw. | El Paso & Southwest. R.R. |
| Putnam | San Juan | 6,200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.01 | ..... | 0.01 | 0.0 | 1 | 19 | 11 | 0 | w. | Richard Wetherill. |
| Redrock | Grant | 4,150 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.16 | ..... | 0.16 | 0.0 | 1 | 16 | 14 | 0 | ..... | Robert N. Woods. |
| Rodeo | ...do | 4,118 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.29 | ..... | 0.60 | 0.0 | 5 | ..... | ..... | ..... | ..... | El Paso & Southwest. R.R. |
| Rosa | Rio Arriba | 6,000 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | B. A. Candelaria. |
| *Arizona.* | | | | | | | | | | | | | | | | | | | | |
| Allaires Ranch | Cochise | 4,184 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.08 | + 0.85 | 0.92 | 0.0 | 3 | 25 | 1 | 4 | w. | Thos. Allaire. |
| Arizona Canal Dam | Maricopa | 1,372 | 15 | 84.7 | + 2.0 | 111 | 10 | 58 | 16 | 45 | 0.27 | + 0.18 | 0.27 | 0.0 | 1 | 25 | 3 | 2 | sw. | U. S. Reclamation Service. |
| Aztec | Yuma | 492 | 12 | 84.9 | − 5.7 | 117 | 10 | 52 | 15 | 52 | 0.00 | − 0.02 | 0.00 | 0.0 | 0 | 28 | 2 | 0 | w. | Southern Pacific Co. |
| Benson | Cochise | 3,523 | 28 | 80.0 | − 2.9 | 105 | 10 | 52 | 16 | 47 | 0.39 | + 0.07 | 0.30 | 0.0 | 2 | 17 | 6 | 7 | e. | Southern Pacific Co. |
| Bisbee | ...do | 5,500 | 20 | 74.6 | − 0.6 | 94 | 10 | 56 | 3 | 31 | 0.54 | + 0.24 | 0.36 | 0.0 | 5 | 23 | 5 | 2 | se. | Rev. J. G. Pritchard. |
| Bonita | Graham | 4,916 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | A. Johnson & Co. |
| Bowie | Cochise | 3,756 | 33 | 82.0 | + 1.9 | 107 | 10† | 50 | 3 | 45 | 0.35 | − 0.20 | 0.35 | 0.0 | 1 | 17 | 9 | 4 | sw. | Southern Pacific Co. |
| Buckeye | Maricopa | 980 | 17 | 82.4 | + 1.9 | 112 | 10† | 54 | 8† | 55 | 0.02 | + 0.01 | 0.02 | 0.0 | 1 | 27 | 3 | 0 | sw. | H. E. Kell. |
| Canille | Santa Cruz | 5,225 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.78 | ..... | 0.80 | 0.0 | 4 | 9 | 17 | 4 | sw. | R. A. Rodgers. |
| Casa Grande | Pinal | 1,396 | 28 | 86.4 | − 2.4 | 116 | 10† | 53 | 16 | 52 | 0.00 | − 0.09 | 0.00 | 0.0 | 0 | 23 | 5 | 2 | sw. | Southern Pacific Co. |
| Cave Creek | Maricopa | 1,523 | 3 | 85.5 | ..... | 114 | 1† | 55 | 8 | 50 | 0.50 | ..... | 0.40 | 0.0 | 2 | 28 | 1 | 1 | sw. | E. A. Howard |
| Chin Lee | Apache | 6,090 | 2 | 70.7 | ..... | 98 | 19 | 40 | 8 | 54 | T. | ..... | T. | 0.0 | 0 | 20 | 8 | 2 | sw. | Fr. L. Ostermann, O. F. M. |
| Chlarsons Mill | Graham | 8,000 | 3 | 63.2 | ..... | 87 | 10† | 36 | 16 | 47 | 0.98 | ..... | 0.80 | 0.0 | 3 | 23 | 6 | 1 | ..... | H. R. Chlarson. |
| Clifton | Graham | 3,584 | 19 | 84.9 | ..... | 106 | 18 | 63 | 15 | 38 | 0.28 | ..... | 0.20 | 0.0 | 3 | 26 | 2 | 2 | ..... | P. Reisinger. |
| Cline | Gila | 2,300 | 10 | 79.4 | + 1.4 | 106 | 10† | 51 | 17† | 50 | 0.42 | + 0.24 | 0.40 | 0.0 | 2 | 24 | 5 | 1 | sw. | W. M. Clanton. |
| Cochise | Cochise | 4,219 | 11 | 73.4 | − 5.9 | 103 | 9 | 48 | 3† | 49 | 0.20 | + 0.03 | 0.10 | 0.0 | 2 | 25 | 4 | 1 | e. | Southern Pacific Co. |
| Columbia | Yavapai | 1,900 | 11 | 85.0 | + 2.5 | 111 | 10 | 62 | 7 | 40 | 0.66 | ..... | 0.63 | 0.0 | 2 | 25 | 0 | 5 | se. | M. J. Nolan. |
| Congress | ...do | 3,688 | 14 | 82.4 | + 1.0 | 105 | 10 | 60 | 16 | 29 | 0.01 | − 0.06 | 0.01 | 0.0 | 1 | 27 | 2 | 1 | sw. | Congress Mine. |
| Courtland | Cochise | 4,543 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.81 | ..... | 0.72 | 0.0 | 4 | 8 | 19 | 3 | sw. | El Paso & Southwest. R.R. |
| Dos Cabezos | ...do | 5,250 | 2 | 76.7 | ..... | 108 | 10 | 45 | 18 | 60 | 1.24 | ..... | 0.48 | 0.0 | 4 | 20 | 7 | 3 | w. | N. Erickson. |
| Douglas | ...do | 3,930 | 7 | 78.5 | ..... | 106 | 10† | 49 | 17 | 52 | 1.07 | ..... | 0.39 | 0.0 | 6 | 20 | 7 | 3 | sw. | Dr. F. T. Wright. |
| Dudleyville | Pinal | 2,204 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | G. F. Cook. |
| Fairbank | Cochise | 3,862 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.90 | ..... | 0.60 | 0.0 | 3 | 16 | 11 | 3 | ..... | El Paso & Southwest. R.R. |
| Flagstaff (1) | Coconino | 6,907 | 18 | 59.9 | + 0.6 | 87 | 10 | 31 | 16 | 50 | 0.61 | + 0.06 | 0.56 | 0.0 | 2 | 25 | 3 | 2 | sw. | U. S. Weather Bureau. |
| Florence | Pinal | 1,504 | 11 | 86.4 | + 2.0 | 114 | 1 | 57 | 15 | 48 | T. | − 0.01 | T. | 0.0 | 0 | 23 | 2 | 5 | e. | Pacific & Eastern R. R. |
| Fort Apache | Navajo | 5,200 | 39 | 69.1 | − 0.3 | 95 | 9† | 41 | 17 | 49 | 0.26 | − 0.28 | 0.18 | 0.0 | 3 | 24 | 3 | 3 | e. | Post Hospital. |
| Fort Huachuca | Cochise | 5,100 | 25 | 75.9 | − 0.4 | 100 | 10† | 44 | 3 | 44 | 1.35 | + 0.87 | 1.35 | 0.0 | 2 | 19 | 11 | 0 | se. | Post Hospital. |
| Fort Mohave | Mohave | 604 | 39 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | A. F. Ducios. |
| Gilabend | Maricopa | 737 | 19 | 87.8 | 0.0 | 120 | 10 | 57 | 17 | 49 | T. | − 0.04 | T. | 0.0 | 0 | 27 | 3 | 0 | w. | Southern Pacific Co. |
| Globe | Gila | 3,525 | 9 | 80.0 | ..... | 107 | 10 | 54 | 16† | 45 | 0.15 | ..... | 0.15 | 0.0 | 1 | 26 | 4 | 0 | nw. | Dr. B. G. Fox. |
| Grand Canyon | Coconino | 6,866 | 7 | 61.5 | ..... | 86 | 3† | 32 | 16 | 48 | 0.48 | ..... | 0.40 | 0.0 | 2 | 24 | 5 | 1 | sw. | Grand Canyon Ry. |
| Greer | Apache | 9,200 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.50 | ..... | 0.40 | 0.0 | 2 | 23 | 4 | 3 | s. | Mrs. M. Butler. |
| Hereford | Cochise | 4,180 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.33 | ..... | 0.33 | 0.0 | 1 | 22 | 0 | 8 | s. | El Paso & Southwest. R.R. |
| Holbrook | Navajo | 5,069 | 21 | 71.8 | + 2.6 | 100 | 11 | 43 | 6 | 52 | 0.41 | + 0.26 | 0.29 | 0.0 | 2 | 25 | 5 | 0 | sw. | T. Larson. |
| Intake | Gila | 2,230 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.60 | ..... | 0.60 | 0.0 | 1 | 24 | 6 | 0 | sw. | A. J. Robinson. |
| Jerome | Yavapai | 4,743 | 13 | 77.0 | + 0.2 | 98 | 10 | 53 | 16 | 30 | 0.61 | + 0.43 | 0.61 | 0.0 | 1 | 27 | 1 | 2 | s. | Dr. L. A. Hawkins. |
| Keams Canyon | Navajo | ..... | 6 | 66.8 | ..... | 92 | 13 | 42 | 9† | 45 | 0.37 | ..... | 0.30 | 0.0 | 3 | 13 | 17 | 0 | sw. | L. R. Ballard. |
| Kingman | Mohave | 3,326 | 8 | 76.0 | ..... | 107 | 10 | 45 | 16 | 55 | 0.15 | ..... | 0.15 | 0.0 | 3 | 1 | 3 | 1 | sw. | J. R. Gooding. |
| Lewis Springs | Cochise | 4,029 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.52 | ..... | 1.12 | 0.0 | 3 | 18 | 9 | 3 | e. | El Paso & Southwest. R.R. |
| Maricopa | Pinal | 1,186 | 33 | 86.6 | − 2.7 | 115 | 10 | 61 | 16 | 40 | 0.14 | + 0.06 | 0.14 | 0.0 | 1 | 27 | 2 | 1 | e. | Southern Pacific Co. |
| Mesa | Maricopa | 1,244 | 14 | 86.2 | + 6.2 | 115 | 9 | 54 | 14 | 52 | 0.48 | + 0.35 | 0.48 | 0.0 | 1 | 27 | 2 | 1 | sw. | C. L. Diehl. |
| Mohawk Summit | Yuma | 538 | 9 | 93.0 | + 0.1 | 120 | 10 | 65 | 4† | 48 | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 29 | 1 | 0 | e. | Southern Pacific Co. |
| Naco | Cochise | 4,579 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | El Paso & Southwest. R.R. |
| Natural Bridge | Gila | 4,990 | 21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.60 | + 0.32 | 0.60 | 0.0 | 1 | 27 | 3 | 0 | sw. | D. G. Goodfellow. |
| Nogales | Santa Cruz | 3,830 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Wallace & Summerhayes. |
| Oracle | Pinal | 4,500 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. H. Winters. |
| Osborn | Cochise | 4,676 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.65 | ..... | 0.98 | 0.0 | 4 | 18 | 8 | 4 | sw. | El Paso & Southwest. R.R. |
| Paradise | Cochise | 3,940 | 4 | 71.6 | ..... | 97 | 9 | 45 | 16† | 47 | 2.35 | ..... | 0.90 | 0.0 | 4 | 12 | 13 | 5 | sw. | J. C. Hancock. |
| Parker | Yuma | 345 | 13 | 80.7 | − 4.2 | 115 | 26 | 43 | 8 | 60 | 0.00 | − 0.01 | 0.00 | 0.0 | 0 | 28 | 1 | 1 | sw. | Dr. H. V. King. |
| Payson | Gila | 5,500 | 1 | 67.6 | ..... | 94 | 4† | 39 | 7† | 52 | 0.71 | ..... | 0.56 | 0.0 | 2 | 18 | 7 | 5 | sw. | M. McDonald. |
| Phoenix (1) | Maricopa | 1,108 | 15 | 85.1 | + 0.7 | 111 | 11 | 62 | 16 | 40 | T. | − 0.12 | T. | 0.0 | 0 | 27 | 2 | 1 | e. | U. S. Weather Bureau. |
| Pinal Ranch | Pinal | 4,520 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.07 | − 0.31 | 0.07 | 0.0 | 1 | 27 | 2 | 1 | ..... | Irion & Craig. |
| Pinto | Apache | 5,660 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mrs. C. F. Henning. |
| Prescott | Yavapai | 5,320 | 45 | 67.3 | − 0.2 | 96 | 10 | 40 | 16 | 50 | 1.05 | + 0.79 | 0.70 | 0.0 | 2 | 27 | 1 | 2 | ..... | Dr. J. W. Flinn. |
| Quartzsite | Yuma | 800 | 2 | 87.4 | ..... | 114 | 11 | 61 | 15 | 43 | T. | ..... | T. | 0.0 | 0 | 27 | 3 | 0 | w. | W. E. Scott. |
| Redrock | Pinal | 1,856 | 2 | 88.4 | ..... | 112 | 9† | 58 | 16 | 45 | 0.24 | ..... | 0.18 | 0.0 | 2 | 17 | 13 | 0 | w. | W. J. Crowell. |
| Roosevelt | Gila | 2,175 | 6 | 87.0 | ..... | 112 | 10 | 66 | 8† | 40 | 0.02 | ..... | 0.02 | 0.0 | 1 | 27 | 3 | 0 | ..... | W. A. Schoenfeld. |
| Sacaton | Pinal | ..... | 2 | 85.0 | ..... | 114 | 10 | 56 | 15 | 50 | 0.00 | ..... | 0.00 | 0.0 | 0 | 27 | 2 | 1 | ..... | M. F. Gilman. |
| Saint Johns | Apache | 5,650 | 5 | 67.9 | ..... | 95 | 1 | 37 | 16 | 48 | 0.57 | ..... | 0.33 | 0.0 | 2 | 19 | 9 | 2 | sw. | A. Shreeve. |
| Saint Michaels | ...do | 6,950 | 22 | 66.4 | + 1.7 | 92 | 1† | 39 | 16 | 47 | 0.76 | + 0.08 | 0.53 | 0.0 | 3 | 22 | 8 | 0 | sw. | Rev. A. Weber, O. F. M. |
| Salome | Yuma | 1,875 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mrs. M. B. Swartz. |
| San Carlos | Gila | 2,456 | 28 | 80.9 | + 1.1 | 111 | 10 | 50 | 17 | 55 | 0.07 | − 0.07 | 0.05 | 0.0 | 2 | 26 | 3 | 1 | sw. | F. S. Thomas. |
| San Simon | Cochise | 3,609 | 26 | 76.4 | − 7.6 | 98 | 1† | 50 | 3† | 48 | 0.02 | − 0.08 | 0.02 | 0.0 | 1 | 24 | 6 | 0 | w. | Southern Pacific Co. |
| Seligman | Yavapai | 5,219 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. W. Dougherty. |
| Sentinel | Maricopa | 685 | 11 | 88.6 | − 1.1 | 116 | 10† | 61 | 16 | 43 | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 26 | 2 | 2 | ..... | Southern Pacific Co. |
| Showlow | Navajo | 6,300 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | G. Woolford. |
| Silverbell | Pima | 2,650 | 4 | 86.4 | ..... | 106[a] | 11 | 63[a] | 15 | 30[a] | 1.16 | ..... | 0.62 | 0.0 | 3 | 27 | 1 | 2 | w. | Imperial Copper Co. |
| Supai | Coconino | 3,200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. E. Coe. |
| Tempe | Maricopa | 1,165 | 6 | 83.0 | ..... | 111 | 10† | 56 | 16† | 49 | 0.06 | ..... | 0.06 | 0.0 | 0 | 27 | 1 | 2 | sw. | F. H. Simmons |

TABLE 1.—*Climatological data for June, 1910. District No. 9*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Arizona*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Thatcher | Graham | 2,800 | 7 | 78.4 | ..... | 105 | 10† | 47 | 17 | 55 | 0.20 | ..... | 0.20 | 0.0 | 1 | 27 | 2 | 1 | nw. | Prof. J. H. Larson. |
| Tombstone | Cochise | 4,550 | 11 | 77.2 | + 0.1 | 98 | 10† | 54 | 15 | 36 | 0.81 | + 0.49 | 0.55 | 0.0 | 3 | 20 | 10 | 0 | ..... | F. N. Walcott. |
| Truxton | Mohave | 4,197 | .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | E. B. Atkinson. |
| Tuba | Coconino | 4,500 | 12 | 71.9 | ..... | 98 | 1 | 49 | 9† | 44 | 0.75 | + 0.51 | 0.50 | 0.0 | 2 | 16 | 10 | 4 | ne. | G. H. Kraus. |
| Tucson | Pima | 2,390 | 30 | 82.9 | + 0.9 | 109 | 10 | 52 | 16 | 47 | 0.12 | − 0.06 | 0.12 | 0.0 | 1 | 14 | 14 | 2 | nw. | University of Arizona. |
| Vail | ....do | 3,421 | 11 | 81.9 | + 0.4 | 108 | 10 | 50 | 16 | 47 | 0.08 | 0.00 | 0.08 | 0.0 | 1 | 21 | 8 | 1 | ..... | Southern Pacific Co. |
| Walnut Grove | Yavapai | 3,649 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.12 | + 0.09 | 0.11 | 0.0 | 2 | 25 | 5 | 0 | ..... | J. O. Carter. |
| Wickenburg | Maricopa | 2,072 | .... | 79.0 | + 0.5 | 108 | 30 | 50 | 3 | 51 | 0.05 | + 0.03 | 0.05 | 0.0 | 1 | 27 | 3 | 0 | sw. | Santa Fe, Presc't & Phoenix |
| Willcox | Cochise | 4,164 | 28 | 76.3 | − 2.3 | 104 | 2† | 50 | 17† | 54 | 0.23 | − 0.01 | 0.20 | 0.0 | 2 | 14 | 12 | 4 | s. | Southern Pacific Co. |
| Williams | Coconino | 6,750 | 8 | 65.2 | + 1.7 | 92 | 1† | 32 | 16 | 56 | 0.38 | + 0.27 | 0.32 | 0.0 | 2 | 26 | 2 | 2 | sw. | E. J. Nordyke. |
| Winslow | Navajo | 4,853 | 5 | 74.5 | ..... | 103 | 12 | 47 | 10† | 53 | 0.41 | ..... | 0.20 | 0.0 | 3 | 26 | 0 | 4 | ..... | J. F. Bauer. |
| Yarnell | Yavapai | 4,700 | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.10 | − 0.07 | 0.10 | 0.0 | 1 | 27 | 0 | 3 | s. | E. L. Bartholomew. |
| Yuma | Yuma | 141 | 29 | 84.2 | − 0.5 | 115 | 10 | 58 | 14 | 45 | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 28 | 2 | 0 | w. | U. S. Weather Bureau. |
| *Nevada.* | | | | | | | | | | | | | | | | | | | | |
| Las Vegas | Clark | ..... | .... | 81.7 | ..... | 112 | 1 | 40 | 21 | 59 | 0.00 | ..... | 0.00 | 0.0 | 0 | ..... | ..... | ..... | nw. | Salt Lake Route. |
| Logan | ....do | ..... | .... | 79.7 | ..... | 111 | 1 | 52 | 15 | 51 | T. | ..... | T. | 0.0 | 0 | 15 | 9 | 6 | s. | Ray M. Filcher. |

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
| Estimated by observer.
‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1910. District No. 9, Colorado Valley.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Wyoming.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daniel | Green | T. | | | | | T. | | | | | | | | T. | | | | | | | | | | | | | | T. | .15 | T. | | 0.15 |
| Dixon | Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eden | Green | | | | | | | | | | | | .01 | T. | T. | | .06 | .04 | T. | | | | | | | | | | | | .05 | | 0.16 |
| Green River | ...do | | | | | | | | | | | | | T. | | | .01 | T. | | | | | | | | | | | | | T. | | 0.01 |
| Kendall | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pinedale | ...do | | | | | | | | | | | | | T. | .01 | | .02 | | | | | | | | | | | | | T. | | | 0.03 |
| Rambler | Snake | T. | | | | | | | | | | | T. | T. | T. | T. | .62 | T. | | | | | | | | | | T. | .10 | .30 | T. | | 1.02 |
| Willow Creek Cabin | Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Colorado.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ashcroft | Grand | | | | | | | | | | | | | | | .06 | | | | | | | | | | | .10 | | .20 | | | 0.36 |
| Breckenridge | ...do | | | | | | | | | | | | | | | T. | T. | | | .03 | T. | | | | | .02 | .03 | .08 | .72 | .20 | | | 1.08 |
| Cascade | San Juan | | | | | | | | | | | | | | .02 | T. | | | | | | | | | T. | | .02 | | .30 | .02 | | | 0.36 |
| Chromo | ...do | | | | | | | | | | | | | | | .02 | .36 | | | | T. | T. | | | | | .07 | | T. | | .05 | | 0.50 |
| Cochetopa | Gunnison | T. | | | | T. | | | | | | | | | | | | | | | | | | | | | | | | .08 | | | 0.08 |
| Collbran | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Columbine | Yampa | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | .03 | | | 0.03 |
| Columbine Ranch | Gunnison | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coronal | Grand | | | | | | | | | | | | | | | | .11 | | | | | | | | | | | | .03 | | | | 0.14 |
| Crawford | Gunnison | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crested Butte | ...do | T. | | | | | | | | | | | | T. | T. | T. | .50 | | | | | | | | | | .11 | T. | .32 | T. | | | 0.93 |
| De Beque | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta | Gunnison | | | | | | | | | | | | | | | | | | | | | | | | | | | | .01 | .03 | | | 0.04 |
| Dillon | Grand | | | | | | | | | | | | | | | T. | .20 | T. | | | | | T. | | | | | .30 | T. | T. | | | 0.50 |
| Dolores | Dolores | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Durango | San Juan | | | | | | | | | | | | | | | T. | | | | | T. | | | | | | T. | .14 | .52 | .06 | | | 0.72 |
| Eagle | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eureka | San Juan | | | | .05 | | | | | | | .08 | | | | | | | | | | | | | | | | .06 | .45 | .21 | | | 0.85 |
| Fraser | Grand | | | | | | | | | | | | | T. | T. | | | .10 | .10 | | | | | | | .10 | | T. | | .20 | .40 | | 0.90 |
| Fruita | ...do | | T. | | | | | | | | | | | | | T. | T. | | | | | | | | | | | T. | .03 | .81 | | | 0.84 |
| Gladstone | San Juan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glenwood Springs | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | .27 | | | | 0.27 |
| Grand Junction | ...do | | | | | | | | | | | | | | | T. | T. | | | | | | | | | | | | .01 | .24 | | | 0.25 |
| Grandlake | ...do | | | | | | | | | | | .10 | .10 | | | | .24 | | | | | | | | | | .24 | | .15 | .40 | | | 1.23 |
| Grand Valley | ...do | | | | | | | | | | | | | | | | T. | T. | | | | | | | | | | | .33 | | | | 0.33 |
| Gunnison | Gunnison | T. | | | | | | | | | | | | | T. | | .10 | | | | | | | | .02 | | | T. | | .15 | | | 0.27 |
| Horsefly | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | .21 | .09 | .11 | | 0.41 |
| Ironton | ...do | .15 | | | | | | | | | | | | | | .04 | .05 | | | | .02 | | | | | | | | .33 | .11 | | | 0.70 |
| Kremmling | Grand | T. | | | | | | | | | | | | .28 | | | .25 | | | | .02 | | | | | | | | | .23 | .40 | | 1.18 |
| Lake City | Gunnison | | | | | | | | | | | | | | | .02 | .28 | | | | | | | | | | .11 | T. | .02 | T. | | | 0.43 |
| Lay | Yampa | T. | T. | | | | | | | | | | | | | | T. | T. | | | | | | | | | | | T. | .16 | .04 | | 0.20 |
| Leal | Grand | T. | | | | | | | | | | | T. | | | .01 | .03 | | | | | | | | | | | | .02 | .01 | | | 0.07 |
| Lujane | Gunnison | | | | | | | | | | | | | | | | T. | | | | T. | | | | | | | | .10 | .01 | | | 0.11 |
| Mancos | San Juan | | | | | | | | | | | | | | | | | | | | | | | | | | | | .96 | T. | | | 0.96 |
| Marble | Grand | T. | | | | | | | | | | | | .10 | | | .22 | | | | | | | | | | | | .30 | .21 | | | 0.83 |
| Marshall Pass | Gunnison | | | | | | | | | | | | | T. | | T. | T. | | | | | T. | | T. | | | | | | T. | | | T. |
| Meeker | White | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | .37 | .03 | .20 | | 0.60 |
| Montrose | Gunnison | | | | | | | | | | | | | | | | | | | | | | | | | | | | .01 | .20 | | | 0.21 |
| Nast | Grand | | | | | | | | | | | | | | | | .51 | | | | | | | | | | | | .36 | | | | 0.87 |
| Pagoda | Yampa | | | | | | | | | | | | | | T. | | T. | .08 | | | | | | | | | | | .16 | .16 | | | 0.40 |
| Pagosa Springs | San Juan | T. | | | | | | | | | | | | | T. | .04 | | | | | | T. | | | T. | | T. | | .75 | .23 | | | 1.02 |
| Paonia | Gunnison | | | | | | | | | | | | | T. | | | T. | | | | | | | | | | | | | .05 | | | 0.05 |
| Parshall | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | .05 | .20 | | | 0.25 |
| Pitkin | Gunnison | | | | | | | | | | | | | | | | .54 | | | | | | | | | | | .13 | .08 | | | | 0.75 |
| Rangely | White | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | .95 | T. | | 0.95 |
| Redcliff | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rico | Dolores | | | | | | | | | | | | | | | | T. | | | | T. | | | | | | | | | | | | 1.20 |
| River Portal | Gunnison | | | | | | | | | | | | | | | | | | | .04 | | | | | | .24 | .21 | .64 | .06 | .05 | | | 0.12 |
| Sapinero | ...do | .01 | | | | .01 | | | | | | | | | | .01 | .02 | | | | T. | | | | | | .04 | .04 | | | | | 0.34 |
| Shoshone | Grand | | | | | | | | | | | | | T. | T. | T. | .11 | | | | | | | | | .03 | .10 | .13 | .05 | .01 | | | 0.27 |
| Silverton (1) | San Juan | | | | | | | | | | | | | | | .20 | .10 | | | | .01 | | | | | .01 | .11 | T. | .02 | | | | 0.96 |
| Silverton (near) | ...do | | | | | | | | | | | | | | | .10 | | | | | | | | | | | .01 | .01 | .36 | .22 | .05 | | | 0.97 |
| Spruce Lodge | Grand | | | | | | | | | | | | | .02 | | | .40 | .01 | | | .02 | | | | .72 | .04 | T. | T. | .48 | .39 | | | | 1.45 |
| Steamboat Springs | Yampa | | | | | | | | | | | | | | T. | | .19 | | | | | | | | | | | | .08 | .11 | .05 | | | 0.37 |
| Tacoma | San Juan | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | .15 | .03 | | | 0.37 |
| Terminal Dam | ...do | | | | | | | | | | | | | | T. | .06 | | | | | .02 | | | | | T. | T. | T. | .90 | | | | 0.90 |
| Uncompahgre Plateau | Gunnison | | | | | | | | | | | | | | | | .03 | | | | T. | | | | | | | .44 | .66 | .09 | | | 1.27 |
| Whitepine | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | .26 | .28 | | | 0.57 |
| Yampa | Yampa | | | | | | | | | | | T. | T. | | | | .18 | | | | | | | | | | | | .20 | | | | T. |
| *Utah.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.38 |
| Baker | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | .12 | 3.80 | .08 | | | 4.00 |
| Basin | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | .08 | .38 | 1.92 | | | 2.38 |
| Castle Dale | Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.40 | .85 | | | 2.25 |
| Emery | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | .45 | | | | 0.45 |
| Escalante | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | .72 | | | | | 0.72 |
| Fort Duchesne | Green | | | | | | | | | | | | | | | | .01 | | | | | | | | | | | | .25 | .13 | | | 0.39 |
| Grayson | San Juan | | | | | | | | | | | | | | | | | | | | | | | | | | | .50 | .75 | | | | 1.25 |
| Green River | Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | .24 | .09 | | | 0.33 |
| Hanksville | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hite | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| La Sal | Grand | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | .60 | .58 | | | 1.18 |
| Los | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mill Canyon | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Moab | Grand | | | | | | | | | | | | | | | | T. | | | | | | | | | | | T. | .30 | 1.02 | | | 1.32 |
| Monticello | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Orderville | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | .36 | | | | 0.36 |
| Price | Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ranch | Colorado | | | | | | | | | | | | | | | T. | | | | | | | | | | | | .22 | .24 | | | | 0.46 |
| St. George | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | .60 | | | | 0.60 |
| Scofield | Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Springdale | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | .20 | | | | | | 0.20 |
| Strawberry | Green | | | | | | | | | | | | T. | T. | | | .06 | | | | | | | | | | | | .20 | .03 | | | 0.29 |
| Sunnyside | ...do | | | | | | | | | | | | | | | | .02 | T. | | | | | | | | | | T. | .03 | .40 | | | 0.45 |
| Theodore | ...do | T. | | | | | T. | | | | | | | T. | | | T. | T. | | | | | T. | | | | | | .18 | .33 | | | 0.51 |
| Tropic | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | .57 | .51 | | | | 1.08 |
| Vernal | Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .15 | | | 0.15 |
| *New Mexico.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alma | Gila | | | .01 | | | | | | | | | | | | | | | | | | | | | | | T. | .08 | | | | | 0.09 |
| Aragon | ...do | | | | | | | | | | | | | | | | | | | | | | | | | T. | .03 | .04 | .23 | | | | 0.30 |
| Blackrock | Little Colorado | | | | | | | | | | | | | | | | | | | | T. | | | | | | | T. | .62 | | | | 0.62 |
| Bloomfield | San Juan | | | | | | | | | | | | | | | T. | | | | | T. | | | | | T. | T. | T. | T. | T. | | | T. |
| Cambray | Mimbres | | | | | | | | | | | | | | | | | | | | | | | | | .30 | .50 | .15 | | | | | 0.95 |
| Columbus | Gila | | | T. | | | | | | | | | | T. | | | | | | | | .07 | T. | T. | .02 | .41 | 1.84 | | | | | | 2.34 |
| Deming | Mimbres | | | | | | | | | | | | | | | | | | | | | | | | | | * | .43 | | | | | 0.43 |
| Dulce | San Juan | | | | | | | | | | | | | | .01 | | | | | | | | | | T. | T. | T. | .01 | * | .42 | | | 0.44 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 9*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *New Mexico*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fort Bayard | Mimbres | | T. | .60 | .20 | | | | | | | | | | | | | | | | T. | | | | T. | .50 | 1.10 | T. | T. | | | | 2.40 |
| Fort Wingate | Little Colorado | | | | | | | | | | | | | | | | | | | | T. | | | | | | T. | .10 | .20 | | | | 0.30 |
| Fruitland | San Juan | | | | | | | | | | | | | | | | | | | | | | | | | | | | .25 | | | | 0.25 |
| Gage | Mimbres | | .21 | | | | | | | | | | | | | | | | | | | | | | | | | .29 | | | | | 0.50 |
| Gila (near) | Gila | | | .02 | 1.00 | | | | | | | | | | | | | | | | | | | | | .05 | .02 | .01 | | | | | 1.10 |
| Hachita | ....do | | | | .06 | | | | | | | | | | | | | | | | | | | | | | .20 | .05 | .14 | | | | 0.45 |
| Haynes | San Juan | | | | | | | | | | | | | | | | | | | | | | | | | | .04 | T. | | | | | 0.04 |
| Hermanes | Gila | | | | | | | | | | | | | | | | | | | | T. | T. | | | T. | | T. | .50 | .01 | | | | 0.51 |
| Lordsburg | ....do | | .10 | | | | | | | | | | | | | | | | | | | | | | | .02 | .48 | | | | | | 0.60 |
| Luna (near) | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manuelito | Little Colorado | | | | | | | | | | | | | | | | | | | | | | | | .06 | | .22 | .11 | .16 | | | | 0.68 |
| Mimbres | Mimbres | | .30 | .08 | .05 | | | | | | | | | | | | | | | | | | | | | .10 | .05 | .20 | | | | | 0.77 |
| Pratt | Gila | | | .12 | | | | | | | | | | | | | | | | | | | | | | | | | .01 | | | | 0.01 |
| Putnam | San Juan | | | | | | | | | | | | | | | | | | | | | | | | | .16 | | | | | | | 0.16 |
| Redrock | Gila | | | | | | | | | | | | | | | | | | | | | T. | T. | | | | .50 | .07 | .02 | | | | 1.29 |
| Rodeo | ....do | | .10 | .60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rosa | San Juan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Arizona.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Allaires Ranch | Sonora | T. | .02 | .07 | | | | | | | | | | | | | | | | | | | | | | | | .09 | T. | | | | 1.08 |
| Arizona Canal Dam | Salt | | | | | | | | | | | | | | | | | | | | | | | | | | .27 | | | | | | 0.27 |
| Aztec | Gila | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Benson | San Pedro | | .30 | | | | | | | | | | | | | | | | | | | | | | | | T. | .09 | T. | | | | 0.39 |
| Bisbee | ....do | | T. | .36 | .03 | | | | | | | | | | | | | | | | | | | | | | .05 | .03 | .07 | | | | 0.54 |
| Bonita | Mimbres | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bowie | Gila | | | .35 | | | | | | | | | | | | | | | | | | | | | | | T. | T. | | | | | 0.35 |
| Buckeye | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | .02 | | | | | | 0.02 |
| Canille | San Pedro | T. | .80 | .71 | T. | T. | | | | | | | | | | | | | | | | | | | | | | .15 | .12 | | | | 1.78 |
| Casa Grande | Gila | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Cave Creek | Verde | | | | | | | | | | | | | | | | | | | | | | | | | | | .40 | .10 | | | | 0.50 |
| Chin Lee | San Juan | | | | | | | | | | | | | | | | | | | T. | | | | | | | | T. | T. | | | | T. |
| Chlarsons Mill | Gila | | | | | | | | | | | | | | | | | | | | | | | | | | .17 | .80 | .01 | | | | 0.98 |
| Clifton | ....do | | | | | | | | | | | | | | | | | | | | | | | | | .20 | .03 | .05 | | | | | 0.28 |
| Cline | Salt | | | | | | | | | | | | | | | | | | | | | | | | | | .40 | .02 | | | | | 0.42 |
| Cochise | Desert | | .10 | | | | | | | | | | | | | | | | | | | | | | | | .10 | | | | | | 0.20 |
| Columbia | Agua Fria | | | | | | | | | | | | | | | | | | | | | | | | | | .03 | .63 | | | | | 0.66 |
| Congress | Hassayampa | | | | | | | | | | | | | | | | | | | | | | | | | | T. | .01 | | | | | 0.01 |
| Courtland | White | | .72 | .06 | | | | | | | | | | | | | | .01 | | .02 | | | | | | | | | | | | 0.81 |
| Dos Cabezos | Desert | .19 | | .48 | | | | | | | | | | | | | | | | | | | | | | | .38 | .19 | | | | | 1.24 |
| Douglas | Sonora | | .39 | .02 | .37 | | | | | | | | | | | | | | | | | | .02 | | | .05 | | T. | .22 | | | | 1.07 |
| Dudleyville | Gila | | | | | | | | | | | | | | | | | | | | | | | | | | .05 | | | | | | 0.90 |
| Fairbank | San Pedro | | .25 | .60 | | | | | | | | | | | | | | | | | | | | | | | T. | .51 | .10 | | | | 0.61 |
| Flagstaff (1) | Little Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | T. | T. | | | | | T. |
| Florence | Gila | | | | | | | | | | | | | | | | | | | | | | | | | | .18 | .05 | .03 | | | | 0.26 |
| Fort Apache | Salt | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.35 |
| Fort Huachuca | San Pedro | | | 1.35 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fort Mohave | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | T. |
| Gilabend | Gila | | | | | | | | | | | | | | | | | | | | | | | | | | | | .15 | | | | 0.15 |
| Globe | Salt | | | | | | | | | | | | | | | | | | | | | | | | | | | .40 | .08 | | | | 0.48 |
| Grand Canyon | Colorado | | | | | | | | | | | | | | | | | | | T. | | | | | | | T. | .40 | .10 | T. | | | 0.50 |
| Greer | Little Colorado | | | | | | | | | | | | | | | | | | | T. | | | | | | | | .29 | .12 | | | | 0.41 |
| Hereford | San Pedro | | | | | | | | | | | | | | | | | | | | | | | | | | | .60 | | | | | 0.60 |
| Holbrook | Little Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | .61 | | | | 0.61 |
| Intake | Salt | | | | | | | | | | | | | | | | | | | | | | | | | | .01 | .30 | .06 | | | | 0.37 |
| Jerome | Verde | | | | | | | | | | | | | | | | | | | | | | | | | | | .15 | | | | | 0.15 |
| Keams Canyon | Little Colorado | | | | | | | | | | | | | | | | | | | | | | | | | .02 | | | | | | | 1.52 |
| Kingman | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | .14 | T. | | | | 0.14 |
| Lewis Springs | San Pedro | | 1.12 | .38 | | | | | | | | | | | | | | | | | | | | | | | T. | .48 | T. | | | | 0.48 |
| Maricopa | Gila | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.60 |
| Mesa | Salt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mohawk Summit | Gila | | | | | | | | | | | | | | | | | | | | | | | | | | .60 | | | | | | 0.60 |
| Naco | San Pedro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Natural Bridge | Verde | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nogales | Santa Cruz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oracle | San Pedro | | | | | | | | | | | | | | | | | | | | | | | | | | | .04 | .23 | | | | 1.65 |
| Osborn | ....do | | .40 | .98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.35 |
| Paradise | Desert | | .90 | .15 | | | | | | | | | | | | | | | | | | | T. | | T. | .80 | .50 | | | | | | 0.90 |
| Parker | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | .56 | T. | .15 | | | 0.71 |
| Payson | Verde | | | | | | | | | | | | | | | | | | | | | | | | | | T. | T. | T. | | | | T. |
| Phoenix (1) | Salt | | | | | | | | | | | | | | | | | | | | | | | | | | T. | .07 | | | | | 0.07 |
| Pinal Ranch | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pinto | Little Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | .70 | .35 | | | | 1.05 |
| Prescott | Hassayampa | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | T. |
| Quartzsite | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | .18 | .06 | | | | | 0.24 |
| Redrock | Santa Cruz | T. | T. | | | | | | | | | | | | | | | | | | | | | | | | T. | .02 | T. | | | | 0.02 |
| Roosevelt | Salt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Sacaton | Gila | | | | | | | | | | | | | | | | | | | | | | | | | | .24 | .33 | T. | | | | 0.57 |
| St. Johns | Little Colorado | | | | | | | | | | | | | | | | | | | T. | T. | | | | | .07 | .53 | .16 | T. | T. | | | 0.76 |
| St. Michaels | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salome | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | .02 | .05 | | | | 0.07 |
| San Carlos | Gila | | | | | | | | | | | | | | | | | | | | | | | | | T. | .02 | | | | | | 0.02 |
| San Simon | ....do | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seligman | Verde | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Sentinel | Gila | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Showlow | Little Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | .62 | .06 | .48 | | | | 1.16 |
| Silverbell | Santa Cruz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Supai | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | T. | .06 | T. | | | | 0.06 |
| Tempe | Salt | | | | | | | | | | | | | | | | | | | | | | | | | | | .20 | | | | | 0.20 |
| Thatcher | Gila | | | | | | | | | | | | | | | | | | | | | | | | | | | .22 | | | | | 0.81 |
| Tombstone | San Pedro | | .55 | .04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Truxton | Little Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | T. | .25 | .50 | | | | 0.75 |
| Tuba | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | T. | .12 | T. | | | | 0.12 |
| Tucson | Santa Cruz | | T. | T. | | | | | | | | | | | | | | | | | | | | | | | T. | .08 | T. | | | | 0.08 |
| Vail | ....do | | T. | | | | | | | | | | | | | | | | | | | | | | | | | .11 | .01 | T. | | | 0.12 |
| Walnut Grove | Hassayampa | | | | | | | | | | | | | | | | | | | | | | | | | | | .05 | T. | | | | 0.05 |
| Wickenburg | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.23 |
| Willcox | Desert | | .20 | .03 | | | | | | | | | | | | | | | | | | | | | | | | .32 | .06 | | | | 0.38 |
| Williams | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | T. | .20 | .20 | .01 | | | 0.41 |
| Winslow | Little Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | .10 | | | | 0.10 |
| Yarnell | Hassayampa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Yuma | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Nevada.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Las Vegas | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | T. |
| Logan | ....do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 9, Colorado Valley.*

| Date. | Wyoming. | | | | Colorado. | | | | | | | | | | Utah. | | | | | | | | | | New Mexico. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Daniel. | | Green River. | | Durango. | | Grand Junction. | | Gunnison. | | Meeker. | | Steamboat Springs. | | Emery. | | Fort Duchesne. | | Hite. | | Moab. | | St. George (Experiment station). | | Fort Bayard. | | Fort Wingate. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 78 | 40 | 92 | 50 | 87 | 44 | 97 | 58 | 80 | 32 | 81 | 34 | 77 | 32 | 66 | 41 | 92 | 52 | ..... | ..... | 103 | 55 | 105 | 63 | 85 | 51 | 85 | 60 |
| 2 | 65 | 37 | 79 | 49 | 84 | 46 | 95 | 59 | 82 | 30 | 86 | 41 | 81 | 37 | 70 | 45 | 92 | 44 | ..... | ..... | 98 | 62 | 99 | 68 | 87 | 50 | 85 | 64 |
| 3 | 73 | 25 | 76 | 37 | 82 | 44 | 88 | 59 | 80 | 32 | 77 | 34 | 74 | 32 | 67 | 40 | 84 | 40 | ..... | ..... | 95 | 52 | 94 | 59 | 71 | 50 | 80 | 56 |
| 4 | 65 | 25 | 79 | 32 | 83 | 43 | 88 | 54 | 78 | 34 | 76 | 34 | 75 | 26 | 72 | 48 | 88 | 36 | ..... | ..... | 94 | 51 | 97 | 55 | 78 | 52 | 82 | 54 |
| 5 | 74 | 29 | 86 | 41 | 85 | 44 | 93 | 58 | 79 | 32 | 83 | 35 | 79 | 26 | 73 | 42 | 89 | 40 | ..... | ..... | 95 | 50 | 95 | 56 | 83 | 49 | 83 | 58 |
| 6 | 71 | 43 | 84 | 43 | 81 | 44 | 90 | 58 | 80 | 30 | 81 | 37 | 80 | 31 | 75 | 45 | 89 | 39 | ..... | ..... | 93 | 53 | 94 | 55 | 85 | 50 | 80 | 63 |
| 7 | 68 | 35 | 82 | 39 | 82 | 40 | 90 | 57 | 82 | 34 | 75 | 37 | 77 | 31 | 85 | 42 | 88 | 39 | ..... | ..... | 93 | 58 | 95 | 54 | 86 | 54 | 81 | 54 |
| 8 | 58 | 32 | 76 | 37 | 82 | 45 | 87 | 63 | 78 | 36 | 72 | 30 | 77 | 33 | 82 | 46 | 84 | 53 | ..... | ..... | 92 | 56 | 96 | 57 | 90 | 55 | 83 | 58 |
| 9 | 64 | 30 | 76 | 32 | 82 | 44 | 83 | 54 | 80 | 44 | 72 | 31 | 71 | 24 | 83 | 50 | 86 | 36 | ..... | ..... | 93 | 51 | 100 | 48 | 93 | 60 | 83 | 53 |
| 10 | 76 | 26 | 83 | 38 | 84 | 40 | 87 | 51 | 77 | 27 | 73 | 33 | 75 | 25 | 80 | 49 | 86 | 38 | ..... | ..... | 93 | 51 | 100 | 52 | 91 | 58 | 83 | 54 |
| 11 | 84 | 31 | 93 | 47 | 84 | 41 | 92 | 56 | 79 | 29 | 84 | 34 | 82 | 28 | 82 | 42 | 96 | 42 | ..... | ..... | 100 | 48 | 105 | 75 | 90 | 55 | 86 | 50 |
| 12 | 74 | 42 | 85 | 56 | 88 | 50 | 95 | 64 | 81 | 34 | 84 | 40 | 84 | 37 | 85 | 41 | 92 | 48 | ..... | ..... | 100 | 59 | 105 | 55 | 92 | 55 | 89 | 52 |
| 13 | 75 | 36 | 83 | 52 | 85 | 46 | 94 | 63 | 80 | 30 | 82 | 41 | 79 | 40 | 82 | 45 | 89 | 51 | ..... | ..... | 98 | 53 | 98 | 55 | 90 | 52 | 83 | 56 |
| 14 | 69 | 38 | 85 | 50 | 82 | 46 | 91 | 68 | 79 | 28 | ..... | ..... | 79 | 33 | 76 | 47 | 88 | 42 | ..... | ..... | 95 | 66 | 90 | 63 | 87 | 51 | 84 | 60 |
| 15 | 79 | 34 | 84 | 52 | 80 | 45 | 92 | 62 | 82 | 26 | 83 | 36 | 84 | 30 | 75 | 42 | 89 | 43 | ..... | ..... | 95 | 55 | 85 | 51 | 85 | 48 | 82 | 63 |
| 16 | 69 | 56 | 78 | 49 | 74 | 44 | 78 | 65 | 65 | 25 | 70 | 40 | 62 | 44 | 81 | 47 | 81 | 58 | ..... | ..... | 91 | 63 | 90 | 53 | 84 | 45 | 83 | 46 |
| 17 | 70 | 38 | 79 | 44 | 82 | 30 | 89 | 59 | 78 | 34 | 73 | 46 | 75 | 33 | 82 | 45 | 86 | 48 | ..... | ..... | 94 | 55 | 96 | 59 | 90 | 52 | 81 | 46 |
| 18 | 79 | 35 | 90 | 49 | 87 | 43 | 94 | 63 | 80 | 30 | ..... | ..... | 83 | 32 | 85 | 47 | 93 | 45 | ..... | ..... | 98 | 54 | 99 | 60 | 94 | 44 | 86 | 48 |
| 19 | 80 | 32 | 92 | 46 | 87 | 44 | 98 | 65 | 84 | 32 | 89 | 30 | 87 | 29 | 84 | 48 | 91 | 54 | ..... | ..... | 100 | 53 | 100 | 60 | 95 | 42 | 85 | 60 |
| 20 | 79 | 34 | 91 | 50 | 84 | 47 | 96 | 70 | 90 | 35 | 87 | 41 | 86 | 34 | 82 | 46 | 94 | 43 | ..... | ..... | 99 | 62 | 97 | 60 | 85 | 64 | 84 | 61 |
| 21 | 72 | 38 | 85 | 49 | 86 | 45 | 94 | 65 | 84 | 30 | 83 | 41 | 85 | 33 | 80 | 46 | 92 | 41 | ..... | ..... | 98 | 68 | 95 | 53 | 88 | 54 | 83 | 60 |
| 22 | 71 | 40 | 86 | 46 | 86 | 44 | 92 | 64 | 82 | 35 | 84 | 34 | 83 | 31 | 81 | 47 | 92 | 42 | ..... | ..... | 97 | 56 | 94 | 65 | 86 | 55 | 83 | 62 |
| 23 | 70 | 42 | 82 | 47 | 84 | 40 | 93 | 65 | 86 | 34 | 83 | 36 | 82 | 28 | 85 | 40 | 90 | 42 | ..... | ..... | 97 | 61 | 94 | 59 | 89 | 52 | 84 | 66 |
| 24 | 70 | 30 | 85 | 43 | 85 | 46 | 90 | 60 | 80 | 37 | 81 | 35 | 79 | 39 | 81 | 45 | 91 | 47 | ..... | ..... | 98 | 55 | 100 | 57 | 88 | 50 | 82 | 49 |
| 25 | 79 | 36 | 88 | 45 | 84 | 46 | 94 | 62 | 84 | 33 | 81 | 40 | 84 | 33 | 86 | 50 | 94 | 47 | ..... | ..... | 100 | 55 | 105 | 58 | 74 | 50 | 82 | 50 |
| 26 | 84 | 38 | 92 | 49 | 81 | 49 | 93 | 66 | 80 | 36 | 80 | 39 | 83 | 37 | 87 | 55 | 97 | 45 | ..... | ..... | 100 | 70 | 107 | 50 | 70 | 44 | 82 | 49 |
| 27 | 85 | 40 | 95 | 52 | 81 | 48 | 89 | 67 | 79 | 37 | 83 | 41 | 84 | 36 | 86 | 51 | 97 | 47 | ..... | ..... | 95 | 69 | 94 | 77 | 67 | 48 | 82 | 52 |
| 28 | 76 | 39 | 83 | 57 | 70 | 53 | 79 | 63 | 77 | 39 | 80 | 37 | 79 | 39 | 70 | 55 | 85 | 57 | ..... | ..... | 80 | 64 | 86 | 66 | 70 | 52 | 74 | 52 |
| 29 | 75 | 40 | 82 | 57 | 72 | 49 | 68 | 59 | 75 | 35 | 75 | 50 | 71 | 41 | 69 | 52 | 75 | 57 | ..... | ..... | 80 | 58 | 94 | 64 | 84 | 58 | 78 | 47 |
| 30 | 76 | 40 | 88 | 51 | 82 | 46 | 82 | 54 | 79 | 39 | 74 | 40 | 79 | 45 | 72 | 55 | 86 | 44 | ..... | ..... | 89 | 54 | 95 | 56 | 86 | 52 | 80 | 48 |
| Mns | 73.6 | 36.0 | 84.6 | 46.3 | 82.5 | 44.8 | 89.7 | 61.0 | 80.0 | 33.0 | 79.7[b] | 37.4[b] | 79.2 | 33.4 | 78.8 | 46.5 | 89.2 | 45.0 | ..... | ..... | 95.1 | 57.2 | 96.8 | 58.8 | 84.8 | 51.7 | 82.6 | 55.0 |

| Date. | Arizona. | | | | | | | | | | | | | | | | | | | | | | Logan, Nev. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bisbee. | | Flagstaff. | | Fort Apache. | | Grand Canyon. | | Parker. | | Phoenix. | | Prescott. | | St. Michaels. | | San Carlos. | | Tucson. | | Yuma. | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 89 | 67 | 84 | 49 | 94 | 51 | 80 | 45 | 108 | 62 | 106 | 74 | 91 | 65 | 92 | 60 | 105 | 62 | 104 | 70 | 105 | 72 | 111 | 60 |
| 2 | 83 | 64 | 78 | 54 | 87 | 54 | 83 | 44 | 106 | 58 | 101 | 76 | 83 | 63 | 87 | 47 | 99 | 72 | 97 | 70 | 104 | 78 | 102 | 62 |
| 3 | 74 | 56 | 75 | 48 | 83 | 57 | 86 | 47 | 104 | 53 | 96 | 71 | 82 | 57 | 82 | 56 | 95 | 67 | 95 | 69 | 97 | 72 | 99 | 56 |
| 4 | 80 | 57 | 78 | 46 | 87 | 51 | 80 | 45 | 107 | 61 | 96 | 71 | 83 | 53 | 84 | 54 | 99 | 65 | 97 | 62 | 100 | 63 | 100 | 58 |
| 5 | 85 | 61 | 79 | 38 | 89 | 51 | 80 | 45 | 104 | 53 | 100 | 68 | 84 | 43 | 86 | 50 | 101 | 57 | 100 | 63 | 101 | 61 | 100 | 59 |
| 6 | 87 | 61 | 77 | 42 | 88 | 47 | 78 | 38 | 105 | 48 | 102 | 70 | 83 | 49 | 84 | 46 | 102 | 55 | 101 | 65 | 102 | 59 | 101 | 58 |
| 7 | 88 | 62 | 77 | 37 | 88 | 48 | 78 | 46 | 106 | 50 | 100 | 65 | 86 | 46 | 85 | 44 | 103 | 60 | 102 | 63 | 102 | 60 | 100 | 54 |
| 8 | 92 | 66 | 81 | 34 | 92 | 45 | 78 | 37 | 103 | 43 | 102 | 65 | 89 | 44 | 85 | 43 | 107 | 52 | 104 | 61 | 104 | 62 | 102 | 59 |
| 9 | 93 | 67 | 85 | 37 | 95 | 51 | 80 | 38 | 109 | 53 | 107 | 70 | 91 | 49 | 85 | 44 | 110 | 55 | 106 | 63 | 110 | 65 | 105 | 57 |
| 10 | 94 | 68 | 87 | 37 | 95 | 51 | 82 | 36 | 114 | 57 | 110 | 70 | 96 | 46 | 88 | 42 | 111 | 57 | 109 | 65 | 115 | 71 | 108 | 65 |
| 11 | 92 | 64 | 86 | 41 | 91 | 51 | 84 | 44 | 107 | 70 | 111 | 73 | 94 | 54 | 89 | 42 | 106 | 64 | 107 | 70 | 111 | 76 | 108 | 53 |
| 12 | 90 | 62 | 84 | 50 | 91 | 54 | 80 | 48 | 106 | 66 | 104 | 74 | 90 | 55 | 92 | 64 | 106 | 65 | 105 | 70 | 108 | 66 | 105 | 55 |
| 13 | 88 | 71 | 78 | 37 | 89 | 46 | 86 | 50 | 102 | 53 | 103 | 68 | 84 | 46 | 87 | 50 | 104 | 54 | 103 | 66 | 103 | 62 | 100 | 53 |
| 14 | 86 | 67 | 74 | 41 | 88 | 49 | 78 | 44 | 103 | 60 | 98 | 67 | 80 | 55 | 86 | 44 | 102 | 61 | 99 | 67 | 94 | 58 | 92 | 65 |
| 15 | 82 | 58 | 69 | 41 | 84 | 44 | 78 | 42 | 104 | 52 | 88 | 64 | 75 | 43 | 85 | 43 | 97 | 54 | 96 | 60 | 88 | 59 | 91 | 52 |
| 16 | 83 | 57 | 74 | 31 | 84 | 44 | 80 | 32 | 103 | 47 | 93 | 62 | 81 | 40 | 76 | 39 | 95 | 53 | 93 | 52 | 98 | 60 | 97 | 55 |
| 17 | 88 | 57 | 80 | 36 | 90 | 41 | 80 | 36 | 100 | 60 | 100 | 64 | 86 | 43 | 85 | 41 | 104 | 50 | 102 | 55 | 104 | 64 | 97 | 55 |
| 18 | 91 | 62 | 82 | 38 | 92 | 46 | 80 | 38 | 106 | 64 | 102 | 69 | 89 | 46 | 90 | 46 | 106 | 54 | 105 | 60 | 104 | 60 | 101 | 59 |
| 19 | 93 | 65 | 83 | 38 | 94 | 52 | 82 | 40 | 106 | 63 | 104 | 68 | 90 | 47 | 89 | 46 | 107 | 57 | 104 | 66 | 105 | 66 | 103 | 58 |
| 20 | 92 | 67 | 82 | 42 | 83 | 56 | 82 | 42 | 107 | 62 | 104 | 71 | 88 | 48 | 90 | 47 | 106 | 58 | 105 | 65 | 105 | 66 | 102 | 57 |
| 21 | 90 | 66 | 80 | 35 | 91 | 51 | 80 | 37 | 100 | 61 | 100 | 68 | 85 | 43 | 88 | 48 | 104 | 59 | 103 | 66 | 102 | 62 | 100 | 56 |
| 22 | 92 | 64 | 76 | 39 | 86 | 48 | 78 | 38 | 104 | 60 | 103 | 68 | 83 | 49 | 85 | 45 | 102 | 60 | 101 | 64 | 99 | 60 | 98 | 54 |
| 23 | 85 | 61 | 76 | 41 | 86 | 46 | 82 | 44 | 99 | 58 | 97 | 64 | 81 | 45 | 84 | 43 | 101 | 57 | 100 | 60 | 99 | 64 | 97 | 57 |
| 24 | 87 | 63 | 81 | 38 | 90 | 46 | 80 | 48 | 101 | 54 | 100 | 65 | 87 | 45 | 88 | 42 | 104 | 55 | 102 | 61 | 102 | 63 | 105 | 60 |
| 25 | 87 | 63 | 85 | 38 | 90 | 52 | 78 | 39 | 106 | 56 | 106 | 67 | 93 | 51 | 88 | 53 | 104 | 64 | 108 | 62 | 107 | 66 | 109 | 61 |
| 26 | 77 | 63 | 84 | 45 | 81 | 53 | 78 | 48 | 115 | 62 | 106 | 80 | 82 | 57 | 76 | 55 | 97 | 69 | 104 | 73 | 111 | 66 | 110 | 59 |
| 27 | 76 | 63 | 65 | 52 | 79 | 58 | 78 | 50 | 103 | 52 | 91 | 74 | 78 | 56 | 73 | 53 | 89 | 70 | 91 | 73 | 105 | 77 | 99 | 68 |
| 28 | 80 | 60 | 65 | 49 | 82 | 57 | 81 | 46 | 101 | 53 | 97 | 73 | 77 | 56 | 83 | 48 | 98 | 61 | 98 | 65 | 103 | 76 | 94 | 75 |
| 29 | 83 | 59 | 74 | 46 | 86 | 49 | 86 | 46 | 103 | 52 | 101 | 71 | 81 | 48 | 82 | 45 | 101 | 59 | 100 | 62 | 102 | 61 | 94 | 57 |
| 30 | 85 | 59 | 75 | 40 | 87 | 50 | 78 | 42 | 104 | 53 | 99 | 70 | 82 | 43 | 83 | 51 | 103 | 59 | 101 | 62 | 103 | 61 | 100 | 55 |
| Means | 86.4 | 62.7 | 78.5 | 41.3 | 88.4 | 49.8 | 80.5 | 42.5 | 104.9 | 56.5 | 100.9 | 69.3 | 85.1 | 49.5 | 85.2 | 47.7 | 102.3 | 59.5 | 101.4 | 64.3 | 103.1 | 63.2 | 101.0 | 58.4 |

## Climatological Data for June, 1910.

## DISTRICT No. 10, GREAT BASIN.

ALFRED H. THIESSEN, District Editor.

### GENERAL CLIMATOLOGICAL CONDITIONS.

In general, the weather during June was a continuance of the conditions which have prevailed in this district since the first of March. Very few pronounced storms passed over the Great Basin during the month and it was very dry, the precipitation being, for the most part, the result of local showers, and was insufficient to revive vegetation very materially. Unusually high temperatures prevailed during much of the month, nearly every station reporting mean temperature above normal.

### TEMPERATURE.

The temperature for the district, as a whole, was 64.9°, which is about 1.8° above normal. Every station except 10 reported means above normal. The mean temperature ranged from 81.4° at Jean in the southern portion of Nevada to 52.0° at Tahoe, Cal. The greatest plus departure from the mean temperature was 9.1° at Provo, Utah, whose mean was 73.0°. The greatest minus departure was 4.7° at Potts, Nev., whose mean temperature was 59.8°. The highest mean temperatures occurred in the valleys of Utah and in southern Nevada; the lowest in southeast Oregon and in the elevated portions of eastern California.

The month opened warm in all portions of the district, many stations reporting very high temperatures on the 1st. At Provo, Utah, 108° was recorded on the 1st, but the highest at that station, and for the district, was 110° on the 11th. At many stations a decided fall in temperature was experienced on the 2d, the cool weather continuing, however, only a few days. In the eastern half of the district the lowest temperatures for the month were generally recorded on the 2d and 3d. From the 6th to the 25th the temperature averaged only slightly above normal for the whole district, but varied greatly in the different States. While some quite low minimum temperatures were observed, the afternoons were, as a rule, quite warm. The last 5 or 6 days of the month were very warm, the highest temperatures for the month being observed at most stations on the 26th and 27th.

### PRECIPITATION.

June is normally a dry month, but the average for the present month, 0.12 inch, which is 0.46 inch below the normal, places June, 1910, as one of the driest on record. There were 50 stations reporting less than 0.01 inch of rain, while the largest amount reported was 1.61 inch at Frisco, Utah, which is 1.37 inch above normal. Frisco was the only station reporting precipitation above normal.

Rainfall was generally heaviest in the Sevier Valley and in the southeastern portion of Oregon, and very deficient elsewhere. The showers occurred for the most part during the middle of the month and on or about the 28th. The greatest 24-hour amount reported was 1.45 inch at Frisco, Utah, on the 29th.

### MISCELLANEOUS PHENOMENA.

Sunshine was abundant, the amount at Salt Lake City, Utah, being 87 per cent of the possible.

For the district there was an average of 22 clear, 5 partly cloudy, and 3 cloudy days.

### NOTES.

Mr. J. L. Lytel, project engineer, reported that 455 linear feet of the Strawberry Tunnel were excavated from the west portal with three shifts during June; that the weather has been very dry in that vicinity, and unless rain falls within the next few weeks, the pasture on the range will be badly dried up.

Mr. S. W. Western, cooperative observer at Deseret, Utah, writes: "June was very warm and dry, high winds prevailed most of the month, the ranges are dried up, and feed for stock is poor."

Mr. J. W. Henry, cooperative observer at Marysvale, Utah, says that the past June was the hottest in 10 years, and that irrigation water is getting low.

TABLE 1.—*Climatological data for June, 1910. District No. 10, Great Basin.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Wyoming.* | | | | | | | | | | | | | | | | | | | | |
| Border | Uinta | 6,085 | 8 | 59.0 | + 4.2 | 93 | 27 | 24 | 3† | 54 | 0.00 | − 1.02 | ..... | 0.0 | 0 | 22 | 6 | 2 | w. | S. W. Condron. |
| Cokeville | ....do | ..... | ..... | 60.4 | ..... | 96 | 6 | 23 | 3 | 62 | T. | ..... | T. | 0.0 | 0 | 26 | 4 | 0 | w. | E. J. Tuckett. |
| Evanston | ....do | 6,860 | 14 | 57.6 | + 3.5 | 88 | 27 | 26 | 3 | 48 | 0.30 | − 0.59 | 0.26 | 0.0 | 2 | 27 | 3 | 0 | sw. | Frank Tucker. |
| *Idaho.* | | | | | | | | | | | | | | | | | | | | |
| Geneva | Bear | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.00 | ..... | 0.00 | 0.0 | 0 | 28 | 2 | 0 | ..... | F. W. Boehme. |
| Grace | Bannock | 5,400 | 3 | 62.8 | ..... | 96 | 16 | 30 | 3 | 59 | 0.01 | ..... | 0.01 | 0.0 | 1 | 23 | 5 | 2 | n. | Cyril B. Dickson. |
| Oxford | ....do | 4,750 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Edwin Smith. |
| Paris | Bear Lake | 5,946 | 16 | 57.4 | + 1.3 | 91 | 27 | 27 | 2 | 54 | 0.00 | − 0.69 | 0.00 | 0.0 | 0 | 27 | 3 | 0 | w. | John Norton. |
| Stone | Oneida | 4,520 | 2 | 64.2 | ..... | 108 | 1 | 26 | 2† | 66 | 0.00 | ..... | 0.00 | 0.0 | 0 | 30 | 0 | 0 | s. | Thos. W. Roe. |
| Weston | ....do | 4,460 | 12 | 63.0 | + 2.6 | 92 | 27 | 28 | 3 | 51 | 0.00 | − 0.83 | 0.00 | 0.0 | 0 | 23 | 7 | 0 | sw. | Wm. Chatterton. |
| *Utah.* | | | | | | | | | | | | | | | | | | | | |
| Alpine | Utah | 4,900 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.00 | ..... | 0.00 | 0.0 | 0 | ..... | ..... | ..... | ..... | George Stevens. |
| Annabella | Sevier | 5,250 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. W. Fairbanks. |
| Beaver | Beaver | 6,000 | 7 | 66.4 | ..... | 92 | 1 | 42 | 15 | 40 | 0.86 | ..... | 0.80 | 0.0 | 2 | 22 | 7 | 1 | sw. | James Connell. |
| Black Rock | Millard | 4,872 | 10 | 66.3 | ..... | 98 | 1 | 34 | 15 | 56 | 0.48 | ..... | 0.48 | 0.0 | 1 | 23 | 6 | 1 | ..... | W. D. Livingston. |
| Castle Rock | Summit | 6,244 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | David Moore. |
| Cedar City | Iron | 5,750 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Parley Dalley. |
| Corinne | Boxelder | 4,240 | 40 | 71.6 | + 1.2 | 100 | 1† | 38 | 3† | 52 | T. | − 0.60 | T. | 0.0 | 0 | 22 | 5 | 3 | se. | A. C. Murphy. |
| Deseret | Millard | 4,541 | 16 | 69.0 | + 4.4 | 97 | 1 | 41 | 12 | 50 | 0.04 | − 0.39 | 0.04 | 0.0 | 1 | 23 | 6 | 1 | s. | S. W. Western. |
| Enterprise | Washington | 4,270 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.00 | ..... | 0.00 | 0.0 | 0 | 25 | 3 | 2 | s. | John Day. |
| Farmington | Davis | 4,267 | 10 | 67.6 | ..... | 94 | 26 | 33 | 2 | 45 | T. | ..... | T. | 0.0 | 0 | 26 | 4 | 0 | nw. | Charles Boylin. |
| Fillmore | Millard | 5,100 | 20 | 71.4 | + 4.1 | 103 | 19 | 42 | 15† | 51 | 0.10 | − 0.44 | 0.10 | 0.0 | 1 | ..... | ..... | ..... | ..... | J. J. Starley. |
| Friess Summit | Wasatch | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.28 | ..... | 0.28 | 0.0 | 1 | 15 | 15 | 0 | nw. | Victor A. Friese. |
| Frisco | Beaver | 7,318 | 16 | 70.0 | + 1.8 | 95 | 1 | 41 | 16 | 40 | 1.64 | + 1.37 | 1.45 | 0.0 | 2 | ..... | ..... | ..... | ..... | E. R. Smyth. |
| Garrison | Millard | ..... | 7 | 67.6° | ..... | 94′ | 2 | 39° | 24 | 46° | ..... | ..... | ..... | ..... | ..... | 15′ | 6′ | 3′ | s. | E. M. Smith. |
| Government Creek | Tooele | 5,277 | 10 | 67.8 | ..... | 96 | 1 | 39 | 3† | 44 | 0.02 | ..... | 0.02 | 0.0 | 1 | 24 | 6 | 0 | s. | Walter James. |
| Grantsville | ....do | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Allen J. Fraser. |
| Heber | Wasatch | 5,606 | 17 | 61.4 | + 2.6 | 92 | 11† | 32 | 3 | 56 | 0.08 | − 0.51 | 0.08 | 0.0 | 1 | 26 | 3 | 1 | s. | John Crook. |
| Henefer | Summit | 5,301 | 11 | 60.0 | ..... | 91 | 1† | 27 | 3† | 55 | 0.24 | ..... | 0.20 | 0.0 | 3 | 21 | 7 | 2 | w. | Wm. Brewer. |
| Ibapah (near) | Tooele | 7,500 | 5 | ..... | ..... | 88 | 1† | ..... | ..... | ..... | 0.18 | ..... | 0.11 | 0.0 | 2 | 24 | 6 | 0 | w. | J. S. Lawton. |
| Ibex | Millard | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | John J. Watson. |
| International | Tooele | 5,370 | ..... | 70.6 | ..... | 95 | 27 | 44 | 3 | 33 | 0.07 | ..... | 0.06 | 0.0 | 2 | 27 | 2 | 1 | se. | I. S & R. Co. |
| Kanosh | Millard | 5,250 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.41 | ..... | 0.25 | 0.0 | 2 | ..... | ..... | ..... | ..... | Geo. Crane. |
| Kelton | Boxelder | 4,230 | 32 | 66.0 | ..... | 93 | 1 | 35 | 5 | 50 | 0.00 | − 0.39 | 0.00 | 0.0 | 0 | 17 | 13 | 0 | sw. | F. W. Klock. |
| Levan | Juab | 5,010 | 20 | 67.8 | + 4.4 | 94 | 1† | 42 | 10† | 46 | T. | − 0.60 | T. | 0.0 | 0 | 25 | 4 | 1 | sw. | Wm. Brown. |
| Logan | Cache | 4,507 | 19 | 67.2 | + 4.5 | 92 | 26 | 38 | 2 | 39 | 0.00 | − 0.86 | 0.00 | 0.0 | 0 | 27 | 0 | 3 | n. | Edgar Brossard. |
| Lucin | Boxelder | 4,504 | 6 | 68.4 | ..... | 100 | 27 | 32 | 3 | 54 | 0.03 | ..... | 0.00 | 0.0 | 0 | 28 | 2 | 0 | ..... | C. J. Burke. |
| Manti | Sanpete | 5,573 | 16 | 62.8 | − 2.3 | 81 | 1 | 44 | 21 | 31 | 0.03 | − 0.36 | 0.03 | 0.0 | 1 | 16 | 0 | 14 | ..... | J. M. Anderson. |
| Marion | Summit | 6,750 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.17 | ..... | 0.08 | 0.0 | 4 | 15 | 11 | 4 | s. | Jas. Woolstenhulme. |
| Marysvale | Piute | 6,180 | 11 | 65.2 | ..... | 91 | 11† | 36 | 15 | 52 | 0.38 | ..... | 0.16 | 0.0 | 3 | 17 | 7 | 6 | s. | John W. Henry. |
| Meadowville | Rich | 6,200 | 11 | 60.4 | ..... | 90 | 11† | 28 | 3 | 50 | T. | ..... | T. | 0.0 | 0 | 26 | 1 | 3 | w. | J. S. Moffat. |
| Milford | Beaver | 4,962 | 6 | 68.6 | ..... | 100 | 1 | 40 | 12 | 52 | 0.50 | ..... | 0.50 | 0.0 | 1 | 13 | 6 | 11 | sw. | C. M. Temple. |
| Millville | Cache | 4,848 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.02 | − 0.90 | 0.02 | 0.0 | 1 | 25 | 4 | 1 | sw. | Fred Yeates. |
| Minersville | Beaver | 5,070 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.27 | ..... | 0.27 | 0.0 | 1 | ..... | ..... | ..... | ..... | Geo. Roberts, sr. |
| Modena | Iron | 5,479 | 10 | 65.8 | + 2.6 | 93 | 26 | 39 | 15 | 45 | T. | − 0.44 | T. | 0.0 | 0 | 21 | 8 | 1 | sw. | U. S. Weather Bureau. |
| Morgan | Morgan | 508 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. Visick. |
| Moroni | Sanpete | 5,519 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | B. F. Eliason. |
| Mount Nebo | Utah | 4,650 | 9 | 74.8 | ..... | 98 | 11 | 46 | 4 | 45 | T. | ..... | T. | 0.0 | 0 | 28 | 2 | 0 | s. | D. C. Walkey. |
| Mount Pleasant | Sanpete | 5,859 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. B. Scoville. |
| Nephi | Juab | 6,059 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.03 | ..... | 0.03 | 0.0 | 1 | 21 | 7 | 2 | sw. | A. M. Madsen. |
| Oak City | Millard | 4,900 | 6 | 74.8 | ..... | 98 | 11† | 46 | 13 | 48 | 0.00 | ..... | 0.00 | 0.0 | 0 | 22 | 7 | 1 | ..... | Peter Nielson. |
| Ogden | Weber | 4,310 | 9 | 71.1 | − 0.2 | 93 | 27 | 41 | 3 | 43 | T. | − 0.69 | T. | 0.0 | 0 | 29 | 0 | 1 | nw. | Enoch Farr. |
| Panguitch Lake | Garfield | 9,000 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.26 | ..... | 0.26 | 0.0 | 1 | 12 | 15 | 3 | s. | Jas. E. Prince. |
| Park City | Summit | 7,800 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Irvin Evans. |
| Parowan | Iron | 5,970 | 19 | 67.6 | + 3.7 | 95 | 24 | 42 | 17 | 51 | 0.14 | − 0.06 | 0.14 | 0.0 | 1 | ..... | ..... | ..... | ..... | S. M. Matheson. |
| Payson | Utah | 4,637 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.05 | ..... | 0.03 | 0.0 | 2 | 18 | 9 | 3 | sw. | D. L. Coombs. |
| Pinto | Washington | 5,907 | 13 | 61.2 | + 2.0 | 89 | 25† | 32 | 15† | 53 | 0.00 | − 0.26 | 0.00 | 0.0 | 0 | 24 | 4 | 2 | s. | J. H. Harrison. |
| Promontory | Boxelder | 4,913 | 39 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.00 | − 0.51 | 0.00 | 0.0 | 0 | ..... | ..... | ..... | ..... | F. C. Houghton. |
| Provo | Utah | 4,532 | 18 | 73.0 | + 9.1 | 110 | 11 | 43 | 3 | 56 | 0.00 | − 0.68 | 0.00 | 0.0 | 0 | 15 | 15 | 0 | s. | James A. Oliver. |
| Randolph | Rich | 6,442 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.15 | ..... | 0.15 | 0.0 | 1 | 28 | 1 | 1 | sw. | William Rex. |
| Richfield | Sevier | 5,350 | 20 | 65.4 | + 2.2 | 91 | 11 | 35 | 7 | 49 | 0.16 | − 0.20 | 0.10 | 0.0 | 2 | 22 | 1 | 7 | sw. | Joseph J. Jensen. |
| Saltair | Salt Lake | 4,220 | 7 | 72.0 | ..... | 92 | 19 | 51 | 3 | 27 | 0.17 | ..... | 0.17 | 0.0 | 1 | ..... | ..... | ..... | ..... | E. J. Bench. |
| Salt Lake City | ....do | 4,366 | 36 | 71.2 | + 2.9 | 94 | 27 | 46 | 3 | 31 | 0.17 | − 0.60 | 0.16 | 0.0 | 2 | 21 | 8 | 1 | nw. | U. S. Weather Bureau. |
| Scipio | Millard | 5,260 | 15 | 65.8 | + 2.7 | 94 | 1 | 33 | 9† | 55 | T. | − 0.42 | T. | 0.0 | 0 | 25 | 0 | 5 | sw. | Thos. Memmott. |
| Silver City | Juab | 6,127 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.30 | ..... | 0.30 | 0.0 | 1 | 22 | 7 | 1 | s. | J. L. Stark. |
| Spanish Fork Canyon | Utah | 4,585 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | U. S. Reclamation Service. |
| Thistle | Utah | 5,075 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Denver & Rio Grande Ry. |
| Tooele | Tooele | 4,900 | 14 | 68.2 | + 3.0 | 94 | 1† | 43 | 8 | 42 | 0.02 | − 0.74 | 0.02 | 0.0 | 1 | 15 | 5 | 10 | s. | E. A. Bonelli. |
| Utah Lake Pumping Sta. | Utah | 4,500 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. A. Knight. |
| Woodruff | Rich | 6,500 | 12 | 69.2 | ..... | 92 | 10† | 28 | 5 | 54 | 0.00 | ..... | 0.00 | 0.0 | 0 | 21 | 7 | 2 | sw. | B. D. Brown. |
| *Oregon.* | | | | | | | | | | | | | | | | | | | | |
| Burns | Harney | 4,157 | 20 | 56.9 | − 0.6 | 94 | 26 | 25 | 7† | 54 | 0.04 | − 0.67 | 0.04 | 0.0 | 2 | 21 | 9 | 0 | n. | J. C. Welcome, jr. |
| Christmas Lake | Lake | 4,320 | 2 | 54.4 | ..... | 90 | 25† | 19 | 21 | 57 | 0.63 | ..... | 0.40 | 0.0 | 3 | 9 | 11 | 10 | nw. | John C. Green. |
| Paisley | ....do | 4,500 | 6 | 59.2° | ..... | 91° | 26 | 32° | 21 | 42° | 0.49 | ..... | 0.34 | 0.0 | 2 | 22 | 7 | 1 | sw. | E. C. Woodward. |
| "P" Ranch | Harney | 4,300 | ..... | 58.3 | ..... | 92 | 26 | 30 | 16† | 47 | 0.32 | ..... | 0.21 | 0.0 | 2 | 23 | 2 | 5 | w. | J. P. Jefferson. |
| Silver Lake | Lake | 4,700 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Wm. Holder. |
| *California.* | | | | | | | | | | | | | | | | | | | | |
| Al Tahoe | Eldorado | 6,235 | ..... | 53.4 | ..... | 79 | 17† | 24 | 21 | 48 | 0.00 | ..... | 0.00 | 0.0 | 0 | 29 | 1 | 0 | sw. | A. R. Sprague. |
| Boca | Nevada | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Southern Pacific Co. |
| Glen Alpine Springs | Eldorado | 6,850 | ..... | 52.4 | ..... | 80 | 25 | 27 | 21 | 40 | 0.10 | ..... | 0.10 | 0.0 | 2 | 21 | 8 | 1 | n. | E. W. Porteous. |
| Tahoe | Placer | 6,240 | ..... | 52.0 | ..... | 79 | 1 | 26 | 21 | 47 | T. | ..... | T. | 0.0 | 0 | 27 | 2 | 1 | w. | Robert M. Watson. |
| Truckee | Nevada | 5,819 | 39 | 52.1 | ..... | 80 | 28† | 30 | 1† | 41 | 0.00 | ..... | 0.00 | 0.0 | 0 | 22 | 4 | 4 | sw. | Southern Pacific Co. |
| *Nevada.* | | | | | | | | | | | | | | | | | | | | |
| Aurora | Esmeralda | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Austin | Lander | 6,594 | 21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Bert Acree. |
| Battle Mountain | ....do | 4,843 | 39 | 70.4 | + 3.6 | 106 | 1 | 39 | 9 | 54 | 0.00 | − 0.47 | 0.00 | 0.0 | 0 | 24 | 3 | 3 | w. | Southern Pacific Co. |
| Beowawe | Eureka | 4,905 | 39 | 64.2 | − 3.8 | 105 | 26 | 35 | 20† | 57 | 0.00 | − 0.42 | 0.00 | 0.0 | 0 | 28 | 2 | 0 | w. | Do. |
| Carlin | Elko | 5,232 | 39 | 63.0 | + 0.3 | 103 | 26 | 27 | 8 | 63 | T. | − 0.53 | T. | 0.0 | 0 | 29 | 0 | 1 | sw. | Do. |
| Carson Dam | Churchill | 4,032 | 3 | 68.4 | ..... | 96 | 26 | 43 | 21 | 41 | 0.14 | ..... | 0.14 | 0.0 | 1 | 23 | 6 | 1 | w. | U S. Reclamation Service. |
| Cherry Creek | White Pine | 6,450 | 1 | 65.2 | ..... | 93 | 27 | 38 | 9 | 45 | 0.07 | ..... | 0.04 | 0.0 | 2 | 18 | 12 | 0 | w. | J. H. Leishman. |
| Clover Valley | Elko | 6,000 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | I. F. Wiseman. |
| Cobre | ....do | ..... | ..... | 65.8 | + 2.3 | 102 | 20† | 27 | 9 | 68 | T. | − 0.37 | T. | 0.0 | 0 | 22 | 4 | 4 | nw. | Southern Pacific Co. |
| Columbia | Esmeralda | 5,750 | 3 | ..... | ..... | 95 | 1 | ..... | ..... | ..... | 0.00 | ..... | 0.00 | 0.0 | 0 | 27 | 3 | 0 | se. | A. Booth. |
| Dutton | Elko | 5,100 | 2 | ..... | ..... | 92 | 29 | ..... | ..... | ..... | 0.00 | ..... | 0.00 | 0.0 | 0 | 14 | 16 | 0 | sw. | Golconda Cattle Co. |
| Elko | ....do | 5,342 | 39 | 60.8 | − 2.3 | 93 | 27 | 29 | 4 | 57 | 0.06 | − 0.46 | 0.06 | 0.0 | 1 | 17 | 9 | 4 | ne. | Southern Pacific Co. |
| Ely | White Pine | 6,421 | 19 | 63.4 | + 3.1 | 98 | 26 | 34 | 6 | 48 | 0.00 | − 0.34 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | w. | G. C. Hunting. |
| Eureka | Eureka | 6,500 | 7 | 63.5 | + 3.0 | 92 | 26† | 32 | 19 | 53 | 0.02 | − 0.02 | 0.68 | 0.0 | 2 | 23 | 3 | 4 | n. | Clay Simms. |

TABLE 1.—*Climatological data for June, 1910. District No. 10*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Nevada*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Fallon | Churchill | 3,965 | 5 | 66.8 | + 2.2 | 101 | 26 | 40 | 21† | 54 | 0.10 | − 0.11 | 0.10 | 0.0 | 1 | 27 | 0 | 3 | w. | U. S. Reclamation Service. |
| Fernley | Lyon | 4,200 | 2 | 69.2 | + 2.4 | 99 | 26 | 43 | 22 | 45 | 0.15 | 0.00 | 0.15 | 0.0 | 1 | 20 | 6 | 4 | w. | Mrs. A. J. Rankin. |
| Gardnerville | Douglas | 4,830 | 10 | | | | | | | | | | | | | | | | | Wm. Dangberg. |
| Geyser | Lincoln | | 5 | | | | | | | | | | | | | | | | | Mrs. J. F. Wambolt. |
| Glenbrook | Douglas | | | | | | | | | | | | | | | | | | | C. C. Henningsen. |
| Golconda | Humboldt | 4,697 | 31 | 65.6 | − 1.7 | 98 | 1† | 38 | 3† | 52 | T. | − 0.42 | T. | 0.0 | 0 | 25 | 2 | 3 | sw. | Southren Pacific Co |
| Halleck | Elko | 5,631 | 17 | | | 99 | 1 | | | | 0.65 | − 0.57 | 0.05 | 0.0 | 1 | 28 | 1 | 1 | sw. | Do. |
| Jean | Clark | 2,074 | 2 | 81.4 | | 108 | 1 | 51 | 15 | 50 | 0.00 | | 0.00 | 0.0 | 0 | | | | sw. | Salt Lake Route. |
| Leetville | Churchill | 4,020 | 3 | 64.8 | | 98 | 26 | 39 | 21 | 45 | 0.10 | | 0.10 | 0.0 | 1 | 28 | 1 | 1 | w. | U. S. Reclamation Service. |
| Lewers Ranch | Washoe | 5,500 | 22 | 60.7 | + 0.6 | 93 | 25 | 33 | 21 | 48 | T. | − 0.34 | T. | 0.0 | 0 | 10 | 19 | 1 | | Ross Lewers. |
| Lovelock | Humboldt | 3,977 | 7 | | | | | | | | | | | | | | | | | J. S. Case. |
| McAfees Ranch | Esmeralda | 4,835 | 6 | 64.2 | | 101 | 26 | 30 | 21 | 61 | 0.00 | | 0.00 | 0.0 | 0 | 15 | 6 | 9 | n. | C. H. Rodenkirch. |
| Millett | Nye | | 2 | 63.2 | | 95 | 11 | 35 | 22 | 52 | 0.00 | | 0.00 | 0.0 | 0 | 24 | 5 | 1 | w. | Fred J. Jones. |
| Mina | Esmeralda | 4,600 | 3 | 72.7 | | 102 | 1 | 44 | 21 | 49 | T. | | T. | 0.0 | 0 | 18 | 9 | 3 | sw. | Southern Pacific Co. |
| Mount Rose Ranch | Washoe | | | 58.6 | | 88 | 26 | 32 | 21 | 37 | 0.30 | | 0.30 | 0.0 | 1 | 25 | 3 | 2 | sw. | Fred Elkins. |
| Palmetto | Esmeralda | 6,780 | 20 | | | | | | | | | | | | | | | | | Isaac McConnell. |
| Potts | Nye | 6,990 | 17 | 59.8 | − 4.7 | 94 | 25 | 30 | 22 | 57 | T. | − 0.17 | T. | 0.0 | 0 | 13 | 9 | 8 | n. | Miss Mamie Potts. |
| Quinn River Ranch | Humboldt | 4,850 | 8 | 61.0 | | 96 | 26 | 28 | 9 | 61 | 0.07 | | 0.07 | 0.0 | 1 | 23 | 6 | 1 | w. | F. M. Payne. |
| Reno | Washoe | 4,532 | 39 | 63.8 | + 1.3 | 96 | 26 | 37 | 21 | 44 | 0.05 | − 0.22 | 0.05 | 0.0 | 1 | 25 | 4 | 1 | w. | U. S. Weather Bureau. |
| Soda Lake | Churchill | 4,534 | 3 | 68.1 | | 94 | 1 | 42 | 21 | 41 | 0.11 | | 0.10 | 0.0 | 2 | 23 | 7 | 0 | w. | U. S. Reclamation Service. |
| Tecoma | Elko | 4,812 | 32 | 62.6 | − 1.2 | 98 | 27 | 23 | 2 | 61 | T. | − 0.67 | T. | 0.0 | 0 | 15 | 12 | 3 | n. | Southern Pacific Co. |
| Tonopah | Nye | 6,090 | 3 | 67.7 | | 89 | 1 | 43 | 21 | 33 | 0.00 | | 0.00 | 0.0 | 0 | 25 | 5 | 0 | w. | U. S. Weather Bureau. |
| Wabuska | Lyon | 4,347 | 7 | | | | | 30 | 20† | | 0.00 | | 0.00 | 0.0 | 0 | 20 | 0 | 10 | w. | J. G. Young. |
| Wells | Elko | 5,631 | 38 | 66.3 | | 93 | 27 | 33 | 1† | 51 | 0.00 | | 0.00 | 0.0 | 0 | | | | s. | Southern Pacific Co. |
| Winnemucca | Humboldt | 4,432 | 31 | 64.0 | + 0.7 | 97 | 26 | 38 | 23 | 48 | 0.09 | − 0.55 | 0.09 | 0.0 | 1 | 23 | 5 | 2 | sw. | U. S. Weather Bureau. |

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
‖ Estimated by observer.
¶ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1910. District No. 10, Great Basin.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Wyoming.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Border | Bear | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | 0.00 |
| Cokeville | ...do | T. | | | | | | | | | | | | | | | T. | | | | | | | | | | | | T. | | | | T. |
| Evanston | ...do | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | .26 | .04 | | | 0.30 |
| *Idaho.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Geneva | Bear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Grace | ...do | | | | | | .01 | | | | | | T. | | | | | | | | | | | | | | | | T. | | | | 0.01 |
| Oxford | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parie | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Stone | Deep Creek | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Weston | Bear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| *Utah.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alpine | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Annabella | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beaver | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | .06 | T. | .80 | | | | 0.86 |
| Black Rock | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | .48 | | | | 0.48 |
| Castle Rock | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cedar City | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Corinne | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | T. |
| Deseret | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | .04 | | | | | 0.04 |
| Enterprise | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Farmington | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | T. |
| Fillmore | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | .10 | | | | 0.10 |
| Friese Summit | Great Salt Lake | | | | | | | | | | | | T. | | | | | | | | | | | | | | T. | .28 | | | | | 0.28 |
| Frisco | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | .16 | | 1.45 | | | 1.61 |
| Garrison | ...do | | | | | | | | | | | | | | | | T. | | | | | | | | | | | T. | | | | | T. |
| Government Creek | ...do | | | | | | | | | | T. | | | | | | | .02 | | | | | | | | | | | | | | | 0.02 |
| Grantsville | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heber | ...do | | | | | | | | | | T. | | | | | T. | | | | | | | | | | | | .08 | | | | 0.08 |
| Henefer | Great Salt Lake | | | | | | | | | | T. | | | | | | .03 | T. | | | | | | | | | T. | .20 | .01 | | | | 0.24 |
| Ibapah (near) | Desert | | | | | | | | | | | | | | | | T. | .07 | | | | | | | | | | .11 | | | | | 0.18 |
| Ibex | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| International | Great Salt Lake | | | | | | | | | | | | | | | .01 | | T. | | | | | | | | | | .06 | | | | | 0.07 |
| Kanosh | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | .16 | .25 | | | | | 0.41 |
| Kelton | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Levan | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | T. |
| Logan | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Lucin | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Manti | Sevier Lake | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | .03 | | | | 0.03 |
| Marion | Great Salt Lake | .02 | | | | | | | | | | | .04 | | | | .03 | | | | | | | | | | | | .08 | | | | 0.17 |
| Marysvale | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | .16 | .06 | .16 | | | | 0.38 |
| Meadowville | Great Salt Lake | | | | | | | | | | | | | | | | T. | | | | | | | | | | | T. | T. | | | | T. |
| Milford | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | .50 | | | | | 0.50 |
| Millville | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | .02 | | | | | 0.02 |
| Minersville | Sevier Lake | | | | | | | | | | | | | | | T. | | | | | | | | | | | T. | T. | .27 | | | | 0.27 |
| Modena | Desert | | | | | | | | | | | | | | | T. | | | | | | | | | | T. | | | | | | | T. |
| Morgan | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Moroni | Sevier Lake | | | | | | | | | | | | | | | | T. | T. | | | | | | | | | | .27 | T. | | | | 0.27 |
| Mt. Nebo | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | T. |
| Mt. Pleasant | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephi | Great Salt Lake | | | | | | | | | | .03 | | | | | | | | | | | | | | | | | | | | | | 0.03 |
| Oak City | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Ogden | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | T. |
| Panguitch Lake | Sevier Lake | | | | | | | | | | | | | | | T. | | | | | | | | | | | | .26 | | | | | 0.26 |
| Park City | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parowan | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | .14 | | | | 0.14 |
| Payson | Great Salt Lake | | | | | | | | | | | | T. | | | | | | | | | | | | | | | .03 | .02 | | | | 0.05 |
| Pinto | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Promontory | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Provo | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Randolph | ...do | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | | T. | .15 | | 0.15 |
| Richfield | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | .06 | .10 | | | | 0.16 |
| Saltair | Great Salt Lake | | | | | | | | | | | | | | | | | .17 | | | | | | | | | | T. | | | | | 0.17 |
| Salt Lake City | ...do | T. | | | T. | | | | | | T. | | | | | | | .16 | | | | | | | | | | .01 | | | | | 0.17 |
| Scipio | Desert | | | | | | | | | | | | | | | | T. | T. | | | | | | | | | T. | T. | | | | | T. |
| Silver City | ...do | | | | | | | | | | | | | | T. | | T. | | | | | | | | | | | .30 | | | | | 0.30 |
| Spanish Fork Canyon | Great Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thistle | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooele | ...do | | | | | | | | | | | | | | | | T. | .02 | | | | | | | | | | | | | | | 0.02 |
| Utah Lake Pump'g Sta. | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Woodruff | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| *Oregon.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ana River | Interior Drainage | | | | | T. | T. | | | | | | | | | | .22 | | | | | .14 | | | | | | | .08 | | | | 0.44 |
| Burns | ...do | | | | | | | | | | | | | | | | .04 | | | | | | | | | | | | | | | | 0.04 |
| Burns Mill | ...do | | | | | .23 | .05 | | | | | | | | | .10 | | | | | | | | | | | T. | | | | | | 0.38 |
| Cecil's Ranch | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Christmas Lake | ...do | | | | | | | | | | | | | | | | .40 | | | | | .16 | | | | | | | .07 | | | | 0.63 |
| Diamond "H" Ranch. | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paisley | ...do | | | | | | | | | | | | | | | | .34 | | | | .15 | | | | | | | | | | | | 0.49 |
| Plush | ...do | | | | | | T. | | | T. | | | | | | T. | .11 | | | | | .06 | | | | | | | | | | | | 0.17 |
| "P" Ranch | ...do | | | | | | | | | | | | | | | | .21 | | | | | .11 | | | | | | | | | | | | 0.32 |
| Silver Lake | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valley Falls | ...do | | | | T. | .07 | .14 | | | T. | | | .01 | | | T. | .28 | T. | T. | | | .06 | | | | | | | T. | | | | 0.55 |
| *California.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Al Tahoe | Truckee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Bijou | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Boca | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Bodie | East Walker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bridgeport | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brockway | Truckee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deer Park | ...do | | | | | | | | | | | | | | .10 | | | | | | | | | | | | | | | | | | 0.10 |
| Donner Ice Camp | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Fales' Hot Springs | West Walker | | | | | | | | | | | | | | .04 | .08 | | | | | | | | | | | | | | | | | 0.12 |
| Glen Alpine Springs | Truckee | | | | | | | | | | | | | * | .10 | | | | | | | | | | | | | | | | | | 0.10 |
| Hobart Mills | ...do | | | | | | | | | | | T. | | | T. | | T. | | | | | | | | | | | | | | | | | T. |
| Lundy | East Walker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Markleeville | East Carson | | | | | | | | | | | | | | .15 | | | | | | | | | | | | | | | | | | 0.15 |
| McKinney | Truckee | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Shields' Ranch | West Walker | | | | | | | | | | | | | | * | .03 | | | | | | | | | | | | | | | | | 0.03 |
| Silver Creek | East Carson | | | | | | | | | | | | | | .16 | | | | | | | | | | | | | | | | | | 0.16 |
| Tahoe | Truckee | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Tallac | ...do | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Truckee | Truckee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Woodfords | West Carson | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—*Daily precipitation for June, 1910. District No. 10*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Nevada.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aurora | East Walker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Austin | Reese | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Battle Mountain | Humboldt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Beowawe | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Buckskin | Walker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carlin | Humboldt | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | T. |
| Carson Dam | Carson | | | | | | | | | | | | | | | .14 | | | | | | | | | | | | | | | | | 0.14 |
| Cherry Creek | Humboldt | | | | | | | | | | | | | | | | | .03 | | | | | | | | | | | .04 | | | | 0.07 |
| Clover Valley | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cobre | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | T. |
| Columbia | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Dutton | Humboldt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Elko | do | | | | | | | | | | | | | | | | .06 | | | | | | | | | | | | | | | | 0.06 |
| Ely | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Eureka | do | | | | | | | | | | | | | | T. | | .02 | | | | | | | | | | | | | | | | 0.02 |
| Fallon | Carson | | | | | | | | | | | | | T. | T. | .10 | | | | | | | | | | | | | | | | | 0.10 |
| Fernley | Truckee | | | | | | | | | | | | | | T. | .15 | | | | | | | | | | | | | | | | | 0.15 |
| Gardnerville | Carson | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Geyser | Humboldt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glenbrook | Truckee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Golconda | Humboldt | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | T. |
| Halleck | do | | | | | | | | | | | | | | | | .05 | | | | | | | | | | | | | | | | 0.05 |
| Jean | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Leetville | Carson | | | | | | | | | | | | | | .10 | | | | | | | | | | | | | | | | | | 0.10 |
| Lewers Ranch | Truckee | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Lovelock | Humboldt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| McAfees Ranch | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Millett | Reese | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Mina | Desert | | | | | | | | | | | | | | T. | T. | | | | | | | | | | | | | | | | | T. |
| Mount Rose Ranch | Truckee | | | | | | | | | | | | | | .30 | T. | | | | | | | | | | | | | | | | | 0.30 |
| North Fork | Humboldt | | | | | | | | | | | | | | | T. | T. | | | | | T. | | | | | | | | | | | T. |
| Palmetto | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paradise Valley | Little Humboldt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Potts | Reese | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | T. |
| Quinn River Ranch | Humboldt | | | | | | T. | | | | | | | | | | .07 | | | | | | | | | | | | | | | | 0.07 |
| Reno | Truckee | | | | | | | | | | | | | | .05 | T. | | | | | | | | | | | | | | | | | 0.05 |
| Rose Creek | Humboldt | | | | | | | | | | | | | | .12 | | | | | | | | | | | | | | | | | | 0.12 |
| Smith | West Walker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spooners Ranch | Truckee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Soda Lake | Carson | | | | | | | | | | | | | | | .10 | .01 | | | | | | | | | | | | | | | | 0.11 |
| Sweetwater | East Walker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Tecoma | Humboldt | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | T. |
| Tonopah | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Wabuska | Walker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Wells | Humboldt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Willow Point | Little Humboldt | | | | | | | | | | | | | | | .03 | | | | | | | | | | | | | | | | | 0.03 |
| Winnemucca | Humboldt | | | | | | | | | | | | | | .09 | T. | T. | | | | | | | | | | | | | | | | 0.09 |

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. District No. 10, Great Basin.*

| Date. | Wyoming. | | | | Weston, Idaho. | | Utah. | | | | | | | | | | | | | | | | | | Burns, Oreg. | | Elko, Nev. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Border. | | Evanston. | | | | Corinne. | | Deseret. | | Government Creek. | | Marysvale. | | Modena. | | Ogden. | | Parowan. | | Provo. | | Salt Lake City. | | | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 85 | 45 | 82 | 51 | 90 | 50 | 100 | 60 | 97 | 55 | 96 | 65 | 90 | 41 | 92 | 52 | 92 | 56 | 87 | 53 | 108 | 59 | 93 | 70 | 80 | 26 | 89 | 46 |
| 2 | 81 | 38 | 78 | 42 | 73 | 48 | 80 | 55 | 90 | 56 | 85 | 52 | 90 | 46 | 85 | 56 | 84 | 55 | 83 | 55 | 88 | 54 | 75 | 58 | 65 | 33 | 87 | 43 |
| 3 | 67 | 24 | 67 | 26 | 74 | 28 | 83 | 38 | 86 | 42 | 80 | 39 | 81 | 42 | 83 | 51 | 84 | 41 | 80 | 48 | 92 | 43 | 75 | 46 | 66 | 35 | 89 | 38 |
| 4 | 74 | 26 | 72 | 32 | 83 | 34 | 87 | 41 | 89 | 43 | 86 | 46 | 86 | 47 | 85 | 50 | 84 | 44 | 85 | 55 | 97 | 45 | 82 | 54 | 70 | 38 | 86 | 29 |
| 5 | 83 | 36 | 76 | 37 | 85 | 44 | 86 | 43 | 87 | 63 | 87 | 59 | 82 | 44 | 81 | 49 | 86 | 45 | 82 | 53 | 94 | 56 | 86 | 59 | 68 | 37 | 82 | 34 |
| 6 | 80 | 36 | 74 | 33 | 82 | 39 | 89 | 44 | 86 | 53 | 85 | 50 | 81 | 49 | 80 | 46 | 85 | 57 | 82 | 52 | 97 | 45 | 83 | 60 | 75 | 40 | 86 | 37 |
| 7 | 76 | 34 | 72 | 34 | 83 | 40 | 92 | 46 | 85 | 45 | 85 | 45 | 82 | 44 | 82 | 43 | 92 | 53 | 80 | 48 | 93 | 50 | 80 | 55 | 67 | 25 | 75 | 37 |
| 8 | 69 | 31 | 68 | 32 | 79 | 33 | 88 | 38 | 80 | 47 | 75 | 46 | 83 | 49 | 84 | 46 | 81 | 43 | 80 | 47 | 81 | 50 | 69 | 53 | 72 | 37 | 75 | 32 |
| 9 | 71 | 24 | 69 | 28 | 79 | 32 | 85 | 39 | 90 | 43 | 80 | 40 | 83 | 44 | 84 | 47 | 80 | 45 | 84 | 50 | 96 | 44 | 75 | 49 | 80 | 33 | 82 | 30 |
| 10 | 83 | 30 | 79 | 31 | 85 | 55 | 88 | 40 | 95 | 45 | 89 | 46 | 89 | 37 | 88 | 43 | 88 | 52 | 88 | 50 | 92 | 45 | 85 | 54 | 76 | 41 | 91 | 36 |
| 11 | 89 | 66 | 83 | 40 | 89 | 58 | 97 | 46 | 87 | 50 | 94 | 57 | 91 | 42 | 91 | 51 | 90 | 60 | 88 | 52 | 110 | 54 | 94 | 64 | 74 | 40 | 88 | 35 |
| 12 | 75 | 47 | 79 | 43 | 80 | 47 | 93 | 48 | 84 | 41 | 76 | 50 | 85 | 53 | 84 | 53 | 87 | 58 | 85 | 50 | 88 | 54 | 76 | 61 | 68 | 35 | 76 | 41 |
| 13 | 80 | 33 | 77 | 33 | 80 | 34 | 100 | 48 | 86 | 47 | 84 | 41 | 87 | 43 | 83 | 48 | 83 | 50 | 84 | 50 | 102 | 52 | 78 | 57 | 78 | 42 | 81 | 35 |
| 14 | 78 | 40 | 76 | 45 | 86 | 38 | 95 | 50 | 85 | 57 | 85 | 54 | 83 | 44 | 75 | 47 | 87 | 57 | 80 | 52 | 96 | 50 | 87 | 59 | 82 | 43 | 81 | 46 |
| 15 | 85 | 33 | 81 | 44 | 84 | 40 | 95 | 50 | 84 | 42 | 86 | 48 | 80 | 36 | 76 | 39 | 85 | 54 | 80 | 43 | 97 | 54 | 85 | 62 | 80 | 42 | 80 | 42 |
| 16 | 78 | 52 | 72 | 46 | 82 | 45 | 95 | 58 | 85 | 52 | 84 | 53 | 81 | 44 | 80 | 45 | 85 | 61 | 89 | 48 | 96 | 58 | 83 | 66 | 68 | 41 | 76 | 40 |
| 17 | 77 | 36 | 71 | 38 | 81 | 40 | 98 | 56 | 87 | 49 | 86 | 48 | 85 | 44 | 82 | 54 | 83 | 49 | 93 | 42 | 98 | 56 | 81 | 57 | 77 | 43 | 80 | 36 |
| 18 | 84 | 40 | 79 | 40 | 85 | 47 | 100 | 48 | 90 | 59 | 91 | 57 | 86 | 44 | 86 | 48 | 88 | 62 | 85 | 52 | 98 | 55 | 90 | 69 | 74 | 40 | 82 | 38 |
| 19 | 89 | 37 | 81 | 46 | 87 | 44 | 100 | 58 | 92 | 53 | 91 | 50 | 91 | 43 | 86 | 46 | 92 | 64 | 84 | 50 | 101 | 55 | 92 | 60 | 70 | 42 | 88 | 36 |
| 20 | 86 | 37 | 79 | 39 | 87 | 57 | 100 | 60 | 91 | 57 | 90 | 54 | 89 | 46 | 85 | 46 | 89 | 69 | 85 | 52 | 95 | 56 | 90 | 68 | 68 | 25 | 82 | 47 |
| 21 | 77 | 45 | 76 | 42 | 79 | 43 | 90 | 54 | 83 | 49 | 82 | 46 | 86 | 40 | 82 | 44 | 86 | 57 | 82 | 44 | 92 | 52 | 78 | 55 | 65 | 41 | 72 | 39 |
| 22 | 81 | 40 | 75 | 40 | 80 | 45 | 93 | 53 | 85 | 54 | 86 | 50 | 86 | 48 | 80 | 43 | 86 | 54 | 90 | 60 | 91 | 55 | 83 | 60 | 74 | 42 | 72 | 35 |
| 23 | 72 | 48 | 71 | 42 | 77 | 54 | 95 | 50 | 80 | 51 | 77 | 41 | 83 | 43 | 82 | 45 | 84 | 50 | 93 | 48 | 80 | 54 | 73 | 56 | 76 | 40 | 74 | 34 |
| 24 | 79 | 29 | 76 | 31 | 81 | 35 | 99 | 56 | 86 | 44 | 82 | 39 | 85 | 45 | 85 | 49 | 84 | 56 | 95 | 47 | 84 | 46 | 80 | 53 | 81 | 41 | 82 | 35 |
| 25 | 83 | 33 | 80 | 34 | 86 | 38 | 92 | 47 | 91 | 49 | 87 | 47 | 90 | 57 | 90 | 47 | 88 | 55 | 92 | 48 | 90 | 50 | 84 | 57 | 86 | 38 | 81 | 40 |
| 26 | 89 | 35 | 84 | 38 | 90 | 39 | 99 | 54 | 95 | 46 | 92 | 47 | 86 | 51 | 93 | 40 | 91 | 50 | 90 | 52 | 98 | 50 | 90 | 60 | 94 | 43 | 92 | 41 |
| 27 | 93 | 40 | 88 | 41 | 92 | 44 | 100 | 49 | 96 | 53 | 94 | 60 | 87 | 47 | 86 | 56 | 93 | 60 | 83 | 56 | 97 | 57 | 94 | 63 | 90 | 42 | 93 | 49 |
| 28 | 79 | 43 | 81 | 45 | 80 | 62 | 99 | 55 | 84 | 70 | 81 | 63 | 75 | 55 | 78 | 57 | 84 | 61 | 80 | 52 | 84 | 65 | 76 | 66 | 78 | 45 | 88 | 49 |
| 29 | 79 | 39 | 73 | 46 | 84 | 47 | 91 | 54 | 85 | 53 | 85 | 56 | 82 | 48 | 80 | 48 | 89 | 58 | 80 | 50 | 89 | 56 | 86 | 60 | 80 | 42 | 88 | 41 |
| 30 | 80 | 37 | 77 | 40 | 84 | 45 | 89 | 59 | 85 | 49 | 85 | 53 | 88 | 41 | 81 | 41 | 87 | 62 | 80 | 50 | 90 | 53 | 86 | 62 | 76 | 43 | 86 | 46 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mns | 80.1 | 37.8 | 76.5 | 38.6 | 82.6 | 43.5 | 93.3 | 49.9 | 87.5 | 50.6 | 85.5 | 50.1 | 85.1 | 45.2 | 83.6 | 48.0 | 86.6 | 55.6 | 84.9 | 50.3 | 93.8 | 52.2 | 83.0 | 59.4 | 75.3 | 38.5 | 82.8 | 38.9 |

| Date. | Nevada. | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ely. | | Eureka. | | Fallon. | | Jean. | | Lovelock. | | Millett. | | Mina. | | Quinn River Ranch. | | Reno. | | Tecoma. | | Tonopah. | | Winnemucca. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 86 | 40 | 91 | 53 | 96 | 54 | 108 | 69 | ..... | ..... | 92 | 50 | 102 | 68 | 89 | 44 | 88 | 55 | 94 | 41 | 89 | 67 | 92 | 55 |
| 2 | 80 | 42 | 84 | 47 | 85 | 51 | ..... | ..... | ..... | ..... | 85 | 51 | 100 | 59 | 83 | 46 | 84 | 51 | 78 | 23 | 83 | 57 | 73 | 46 |
| 3 | 79 | 37 | 82 | 41 | 87 | 42 | 100 | 88 | ..... | ..... | 85 | 39 | 94 | 60 | 83 | 25 | 82 | 46 | 81 | 32 | 82 | 56 | 82 | 39 |
| 4 | 74 | 39 | 87 | 45 | 90 | 42 | 99 | 60 | ..... | ..... | 87 | 38 | 90 | 50 | 65 | 38 | 83 | 47 | 86 | 37 | 82 | 56 | 86 | 44 |
| 5 | 71 | 35 | 83 | 45 | 84 | 44 | 95 | 60 | ..... | ..... | 84 | 42 | 94 | 54 | 70 | 46 | 75 | 46 | 84 | 34 | 79 | 54 | 79 | 51 |
| 6 | 67 | 34 | 78 | 38 | 81 | 44 | 94 | 62 | ..... | ..... | 87 | 40 | 88 | 49 | 73 | 52 | 73 | 44 | 86 | 35 | 74 | 46 | 77 | 50 |
| 7 | 69 | 37 | 78 | 38 | 83 | 41 | 94 | 73 | ..... | ..... | 79 | 42 | 89 | 52 | 76 | 35 | 74 | 41 | 84 | 32 | 79 | 47 | 77 | 42 |
| 8 | 74 | 44 | 79 | 37 | 81 | 43 | 100 | 56 | ..... | ..... | 82 | 40 | 91 | 56 | 70 | 32 | 82 | 41 | 88 | 34 | 78 | 52 | 76 | 38 |
| 9 | 78 | 42 | 85 | 40 | 90 | 44 | 103 | 54 | ..... | ..... | 85 | 41 | 94 | 54 | 89 | 28 | 90 | 48 | 86 | 36 | 86 | 60 | 86 | 41 |
| 10 | 78 | 40 | 90 | 50 | 97 | 43 | 107 | 57 | ..... | ..... | 92 | 40 | 98 | 60 | 94 | 33 | 89 | 54 | 88 | 36 | 88 | 63 | 94 | 48 |
| 11 | 80 | 45 | 89 | 58 | 85 | 57 | 103 | 57 | ..... | ..... | 85 | 54 | 92 | 66 | 83 | 58 | 80 | 51 | 92 | 38 | 82 | 63 | 79 | 54 |
| 12 | 86 | 42 | 78 | 37 | 81 | 47 | 99 | 57 | ..... | ..... | 81 | 36 | 90 | 54 | 78 | 38 | 80 | 45 | 90 | 34 | 77 | 52 | 76 | 46 |
| 13 | 82 | 42 | 82 | 39 | 86 | 44 | 97 | 58 | ..... | ..... | 83 | 39 | 88 | 50 | 83 | 31 | 82 | 48 | 92 | 36 | 81 | 55 | 82 | 45 |
| 14 | 90 | 42 | 77 | 52 | 82 | 55 | 96 | 60 | ..... | ..... | 74 | 44 | 64 | 46 | 83 | 54 | 68 | 50 | 92 | 38 | 64 | 47 | 78 | 51 |
| 15 | 86 | 46 | 79 | 38 | 83 | 48 | 87 | 51 | ..... | ..... | 80 | 36 | 84 | 50 | 85 | 43 | 82 | 45 | 94 | 36 | 74 | 45 | 84 | 46 |
| 16 | 84 | 42 | 75 | 43 | 81 | 58 | 95 | 54 | ..... | ..... | 82 | 41 | 88 | 52 | 73 | 54 | 71 | 54 | 86 | 35 | 78 | 54 | 75 | 49 |
| 17 | 87 | 45 | 83 | 41 | 86 | 43 | 98 | 65 | ..... | ..... | 84 | 38 | 90 | 52 | 78 | 38 | 77 | 47 | 88 | 34 | 79 | 53 | 79 | 43 |
| 18 | 82 | 42 | 85 | 45 | 88 | 46 | 102 | 62 | ..... | ..... | 86 | 41 | 94 | 45 | 81 | 41 | 76 | 47 | 89 | 37 | 82 | 53 | 83 | 47 |
| 19 | 77 | 46 | 85 | 32 | 87 | 43 | 100 | 64 | ..... | ..... | 88 | 41 | 90 | 54 | 81 | 43 | 74 | 49 | 92 | 36 | 83 | 60 | 84 | 41 |
| 20 | 80 | 48 | 83 | 41 | 78 | 49 | 96 | 77 | ..... | ..... | 82 | 47 | 94 | 60 | 74 | 37 | 68 | 47 | 86 | 38 | 82 | 51 | 75 | 48 |
| 21 | 81 | 51 | 78 | 34 | 76 | 40 | 96 | 55 | ..... | ..... | 77 | 36 | 88 | 44 | 69 | 34 | 75 | 37 | 84 | 41 | 76 | 43 | 69 | 40 |
| 22 | 84 | 52 | 79 | 37 | 80 | 40 | 95 | 58 | ..... | ..... | 79 | 35 | 84 | 48 | 67 | 36 | 68 | 42 | 86 | 38 | 78 | 48 | 71 | 41 |
| 23 | 90 | 48 | 74 | 34 | 77 | 45 | 95 | 55 | ..... | ..... | 75 | 40 | 80 | 52 | 76 | 39 | 77 | 39 | 86 | 34 | 75 | 46 | 72 | 38 |
| 24 | 86 | 50 | 84 | 38 | 97 | 44 | 99 | 73 | ..... | ..... | 83 | 39 | 92 | 58 | 87 | 31 | 86 | 44 | 92 | 36 | 84 | 55 | 84 | 45 |
| 25 | 87 | 52 | 89 | 44 | 96 | 47 | 105 | 55 | ..... | ..... | 92 | 45 | 96 | 64 | 94 | 34 | 94 | 50 | 94 | 35 | 88 | 61 | 90 | 49 |
| 26 | 96 | 56 | 92 | 62 | 101 | 52 | 107 | 60 | ..... | ..... | 92 | 47 | 100 | 60 | 96 | 37 | 96 | 58 | 94 | 38 | 88 | 66 | 97 | 49 |
| 27 | 86 | 45 | 92 | 56 | 96 | 58 | 100 | 85 | ..... | ..... | 92 | 44 | 98 | 60 | 92 | 52 | 87 | 57 | 98 | 37 | 88 | 66 | 93 | 55 |
| 28 | 90 | 55 | 90 | 50 | 90 | 54 | ..... | ..... | ..... | ..... | 89 | 49 | 92 | 54 | 84 | 55 | 81 | 46 | 94 | 42 | 82 | 59 | 86 | 52 |
| 29 | 89 | 52 | 83 | 50 | 94 | 40 | 99 | 57 | ..... | ..... | 81 | 39 | 90 | 58 | 85 | 56 | 81 | 46 | 88 | 45 | 78 | 53 | 86 | 47 |
| 30 | 87 | 51 | 84 | 46 | 87 | 48 | 96 | 84 | ..... | ..... | 87 | 40 | 90 | 50 | 82 | 45 | 80 | 48 | 92 | 47 | 83 | 56 | 83 | 52 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Means | 82.2 | 44.7 | 83.3 | 43.7 | 86.8 | 46.8 | 98.8[b] | 64.1[b] | ..... | ..... | 84.7 | 41.8 | 90.8 | 54.6 | 80.8 | 41.2 | 80.1 | 47.4 | 88.8 | 36.5 | 80.7 | 54.7 | 81.6 | 46.4 |

## Climatological Data for June, 1910.

## DISTRICT No. 11, CALIFORNIA.

Prof. ALEXANDER G. McADIE, District Editor.

### GENERAL SUMMARY.

The month of June was in the main cool and dry, and may be divided into two periods, quite unlike in character, the first extending from the 1st to the 11th and the second covering the remainder of the month. Unusually warm weather prevailed at the beginning of the month and during the whole of the first period the temperature was well above the normal. On the other hand, from about the 12th to the 22d, unusually cool weather prevailed. In the Great Valley of California, where, at this season, afternoon temperatures usually exceed 90°, there was during this period an average afternoon temperature of about 80°. As regards precipitation, the month was even drier than an average June, which, as is well known, is a month of light precipitation in this section. A few scattered showers occurred in the northern counties on June 11 and again on the 14th. Along the Mendocino coast there were light rains from the 19th to the 21st, connected with the passage of a moderate disturbance across the north Pacific coast. Throughout the central and southern counties the month was rainless. Moreover there was little or no snow in the mountains, and this, in connection with the abnormally light snow cover, resulted in a diminished water supply. As early as the first week in June, Weather Bureau reports called attention to the lack of an adequate water supply. Not in many years has there been so small a supply of visible storage water. Therefore it is not surprising to note at the close of the month low stages of the rivers in all the principal watersheds. Limited water supply so early in the season means the probable shutting down and temporary suspension of mining plants and a restricted use of water for irrigation purposes before the end of the summer season. Likewise the lack of ample water will be a serious interference with the operation of power plants. It is reported in the press of the interior that in some of the navigable streams, new sand bars may now be noticed.

The snow disappeared at Summit, Placer County, about June 6. Last year it disappeared on June 21, and the year before that, which, by the way, was regarded as an exceptionally early date, on June 10.

There was more than the normal amount of sunshine and somewhat more than during June, 1909. The winds were mostly northwest along the coast, south in the Sacramento Valley and north in the San Joaquin. South of the Tehachapi morning winds at the coast stations were, as a rule, north, while during the afternoon and night sea breezes prevailed.

There were no specially noteworthy features connected with pressure disturbances during the month. During the first decade the North Pacific high of summer extended well over the coast, and as the result the circulation of the lower air was mainly from a region comparatively dry and warm, southward over high mountain ranges. The result was fair, warm, and dry weather. There appeared to be a slight giving way or westward movement of the oceanic high at the beginning of the second decade and also an intrusion southward of low areas, originating in the larger Alaskan depression A moderate disturbance of this character caused unsettled weather in the northern counties on June 12 and was followed by a second minor depression on the 14th. This caused rain in the northern counties of California and cloudy and more or less threatening weather throughout the State and in Nevada. This second depression made slow progress eastward. Again on the 19th there could be noted the same southerly extension of the larger depression to the north. During the last decade conditions were more nearly normal. The usual summer low over the Valley of the Colorado was noticeable on nearly all the maps, with the characteristic high afternoon temperatures.

### TEMPERATURE.

Comparing the present month with previous years we find that the mean temperature of the State was lower than during the previous year, but slightly above that of the three preceding years.

| | °F. |
|---|---|
| 1903 | 70.9 |
| 1904 | 71.1 |
| 1905 | 67.5 |
| 1906 | 66.7 |
| 1907 | 66.1 |
| 1908 | 66.0 |
| 1909 | 68.1 |
| 1910 | 67.3 |

The highest temperature reported was 121° at Needles on June 10, and the lowest 24° at Tamarack on the 21st. The highest monthly mean was at Bagdad, 93.2°, and the lowest, 45.2°, at McDowell.

### PRECIPITATION.

With the exception of June, 1904, the precipitation was less than in any month of June in 8 years. The following table gives the average precipitation for the State:

| | Inch. |
|---|---|
| 1903 | .07 |
| 1904 | .04 |
| 1905 | .07 |
| 1906 | 1.05 |
| 1907 | 1.02 |
| 1908 | .17 |
| 1909 | .19 |
| 1910 | .05 |

At more than half of the stations the month was without a drop of rain. The greatest monthly amount was 2.10 inches at Monumental and the greatest daily amount 0.75 at Gold Run on the 14th.

### SUNSHINE.

The following table gives the hours of sunshine and the percentage of possible:

| | Hours. | Per cent of possible. | | Hours. | Per cent of possible. |
|---|---|---|---|---|---|
| Eureka | 160 | 35 | Sacramento | 415 | 93 |
| Fresno | 431 | 98 | San Diego | 268 | 62 |
| Los Angeles | 320 | 74 | San Francisco | 367 | 83 |
| Mount Tamalpais | 392 | 89 | San Jose | 392 | 89 |
| Red Bluff | 388 | 86 | San Luis Obispo | 315 | 72 |

### NOTES.

The following notes on weather conditions during June are contributed by cooperative observers:

*Alturas.*—This dry month of June, following the previous dry month, leaves little hope of even an average crop of the different grains. Hay, also, is a light crop. The cold spells have done but little injury so far.—*C. B. Towle.*

*Campo.*—A very cool June all through.—*Archibald Campbell.*

*Grenville.*—Very changeable, very dry, and dusty, and water very low, crops injured by drought; there will be no water to irrigate.—*C. H. Higbee*

*Hearst.*—Old settlers pronounce it the coolest June in many years.—*H. D. Ellmaker.*

*Jolon.*—This has been a very windy month for this section.—*F. J. Merritt*

*Madeline.*—The month has been very dry, with strong north and westerly winds. Crops have suffered much from drought and cold. Haying has begun with short crops.—*J. H. Williams.*

*Sacramento.*—The month has been very pleasant and cool, nearly 4° below the normal for June. The rainfall 0.12 of an inch below the average. Fruit

and all crops are doing well, although the lack of late rains requires more irrigating. Everything promises well for the farmers and fruit raisers.—*S. H. Gerrish.*

*Santa Cruz.*—Ninety-two per cent sunshine; a very delightful month; no fog, very few windy days. Streams are quite low on account of lack of late rains.—*W. R. Springer.*

*Shasta.*—Total precipitation for season 39.36 inches. High winds have prevailed nearly the whole of the month.—*Dr. Thos. J. Edgecomb.*

*Sierraville.*—More wind this month than usual.—*C. D. Johnson.*

*Squirrel Inn.*—Winds during the summer are very variable; we are so located that it is a hard matter to tell definitely just what quarter they come from; this year they blew invariably from the west and south.—*A. D. Frantz.*

*Willows.*—The month, as a whole, may be considered cool, with a maximum above the last few years. The yield of grain is good.—*M. T. Harrington.*

### NOTES ON THE RIVER CONDITIONS IN THE SACRAMENTO WATERSHEDS DURING JUNE, 1910.

*The Sacramento Watershed.*—Not since the records have been kept by the Weather Bureau, and probably for many years previous to the gaging of the rivers, have the streams of this watershed been so low during the month of June. This has been particularly true of the Sacramento River between Walnut Grove and the limits of navigation, where the stages averaged from 3 to 9 feet below the June normal.

At Colusa, Knights Landing, and Sacramento City, the average gage readings were 2.5, 2.8, and 3.0 feet, respectively, lower than the lowest ever previously recorded during any June. In the upper Sacramento, north of Red Bluff, while unusually low water prevailed, the departure from the normal was not so marked as in the navigable part of the stream.

Throughout the drainage area of the Feather-Yuba watershed there was a rapid diminution in the run-off of all mountain feeders, and there was a marked deficiency in the usual water supply of both streams at the close of the month. The North and Middle Forks of the Feather, and the North Fork of the Yuba, and all radiating forks thereof, carried less water at the end of June than, according to reliable information, for any previous June during the past 40 years. In some cases, notably, the numerous forks of the Yuba River above Downieville, the streams were lower than have ever been known at any previous time.

The American River was probably the last water course of any importance in the Sacramento River system to respond to the general shortage in the seasonal precipitation, due, no doubt, to the fact that the snow in the high altitudes drained by the feeders of this stream remained longer on the ground than in any other part of the northern Sierra. This river, however, began receding on the 1st of the month, and its at close carried less water than for any corresponding period of which there is a record, and its average was 0.8 foot lower than in 1908, the lowest previous June average.

During the last decade of the month the scarcity of water was recognized by the various water-supply companies, all of which have cautioned consumers as to the necessity of being economical in the use of water, and some companies have already begun drawing from their impounded reserves. In the case of the South Yuba Water Company the tapping of their reserves in the lakes was begun on June 13, more than a month earlier than usual; and it is estimated that this reserve will be practically exhausted by the 1st of October, and that many mines will be obliged to suspend operations, and fruit ranches will be entirely out of water for irrigation before the beginning of the rainy season.

Conditions, with respect to low water, are also becoming perplexing in the Sacramento River above Sacramento City, as many new sand bars have begun to form and old ones are becoming daily more prominent, making navigation difficult.

*The San Joaquin Watershed.*—There was a notable absence of the usual June rises throughout this watershed, and the rivers generally were as low or lower than during the corresponding month of 1908, when abnormally low stages were recorded.

In the tributaries of the San Joaquin the low water of June 1908, was equaled in the Merced River and exceeded in the Tuolumne and the Stanislaus rivers. In the Calaveras River, which usually goes dry during the late summer or early fall, there was practically no water at the close of the month, the stream having ceased discharging into Mormon Slough as early as May 11.

At Merced Falls the Merced River was 0.8 foot, at Jacksonville the Tuolumne River was 2.6 feet, and at Electra the Mokelumne River was 1.0 foot below the June average. The San Joaquin River itself was somewhat higher than during the low water of June, 1908, but with this exception it was much lower than during any corresponding month of which there is a record. At Pollasky, Firebaugh, and Lathrop, the San Joaquin River averaged 2.0, 2.8, and 3.0 feet, respectively, below the June average.

As the snow has practically disappeared from the southern Sierra all streams in the San Joaquin drainage basin will probably reach the summer low-water mark much earlier this season than usual.

---

### SNOWFALL AT SUMMIT, CAL.

By Prof. A. G. McADIE.

I have been informed by Prof. George Davidson that in the season of 1868–9 the engineer in charge of construction of the Central Pacific Railroad, Mr. Judah, reported a seasonal depth of snow in the neighborhood of 60 feet. It is not known whether this can be definitely ascertained, since all the records of the railroad company on file at San Francisco were destroyed by the fire of April, 1906. Records of the depth of snow were maintained by the various station agents beginning with the winter of 1870. After the disaster referred to above all available records at the station itself were obtained and these, with duplicate records obtained from the Central Office and the tables previously published in the Climatology of California, have enabled us to construct a table showing the seasonal depth for a period of 40 years. This probably constitutes the longest period of snowfall observations in our country. A discussion of the record is of interest during the present month, because of the early disappearance of the snow and the probability of extreme low water in the watershed of the American River and its tributaries. A similar table was prepared for Prof. J. N. Le Conte, in 1908, and used as the basis of his article upon Snowfall in the Sierra Nevada, published in the Sierra Club Bulletin of June, 1908. The particular subject of interest in this paper was the possibility of predicting the probable date of disappearance of the snow, with a view of determining when travel would be safe through the mountains. Different seasons vary so widely that passes which may be attempted at the end of June one year are entirely out of the question even at the end of July in some other season. Professor Le Conte attempted to give the average rate of melting and to show the relation between this and travel possibilities. He published 11 plats showing the depth of snow on the ground for 11 different years. He finds in each of these an extremely irregular curve up to March, with high "peaks," representing storms. After the end of March the curve is fairly smooth. Averaging the curves for 10 years, he gets one which can be considered as showing the mean depth of snow on the ground at Summit. This curve is quite regular throughout, rising gradually to a maximum of 129 inches on March 26. The descending portion he calls "The curve of mean rate of melting." Averaging the depth of snow "by simply taking the sum of such snow as is on the ground at a given date and dividing by 10, and filling in zeros for such years as may have bare ground at the date in question, we get the curve ABCD, see fig. 1. This curve will evidently extend as far as the latest date at which we find snow in the record, viz, July 14, 1907. This does not give the correct rate of melting, however, beyond the date where the first curve touches zero, viz, April 23, 1898. In

order to get the curve showing the true rate of melting, we must find the average date at which snow is of a certain depth. For example, we find that the mean date at which all snow is off the ground at Summit is May 26; the mean date at which it is 20 inches deep is May 10, etc."

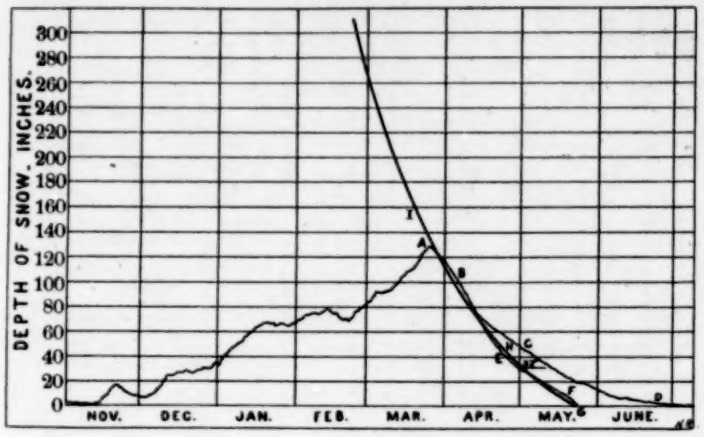



FIG. 1.

In this way Professor Le Conte obtained a curve as shown in the diagram, marked ABEFG, and disregarding small irregularities calls the smooth curve IHG, the mean curve of melting at Summit Station. The actual curve of melting for any year may be compared with the mean curve, and if it falls below the mean for the most part the season will probably be a dry one, or in other words travel in the mountains will be possible at a much earlier date than during a year when the actual curve of melting rises above the mean.

Some inaccuracies were found in the table of total snowfall as originally furnished by this office and the revised and corrected table is given herewith:

*Seasonal snowfall at Summit, Cal.*

Elevation, 7,017 feet; latitude, 39° 19′ N.; longitude, 120° 10′ W.

| Winter of— | Snowfall. | Winter of— | Snowfall. | Winter of— | Snowfall. |
|---|---|---|---|---|---|
| | *Inches.* | | *Inches.* | | *Inches.* |
| 1870–1 | 300 | 1884–5 | 202 | 1897–8 | 262 |
| 1871–2 | 550 | 1885–6 | 462 | 1898–9 | 481 |
| 1872–3 | 334 | 1886–7 | 422 | 1899–1900 | 406 |
| 1873–4 | 200 | 1887–8 | 345 | 1900–1901 | 440 |
| 1874–5 | 284 | 1888–9 | 261 | 1901–2 | 373 |
| 1875–6 | 525 | 1889–1890 | 776 | 1902–3 | 407 |
| 1876–7 | 178 | 1890–1 | 335 | 1903–4 | 434 |
| 1877–8 | 341 | 1891–2 | 380 | 1904–5 | 375 |
| 1878–9 | 446 | 1892–3 | 634 | 1905–6 | 514 |
| 1879–1880 | 783 | 1893–4 | 511 | 1906–7 | 602 |
| 1880–1 | 154 | 1894–5 | 685 | 1907–8 | 340 |
| 1881–2 | 492 | 1895–6 | 544 | 1908–9 | 442 |
| 1882–3 | 299 | 1896–7 | 560 | 1909–10 | 342 |
| 1883–4 | 482 | | | | |

TABLE 1.—*Climatological data for June, 1910. District No. 11, California.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Oregon.* | | | | | | | | | | | | | | | | | | | | |
| Klamath Agency | Klamath | 4,169 | 2 | 50.0 | ..... | 86 | 26 | 21 | 21 | 61 | T. | ..... | T. | 0.0 | 0 | 21 | 3 | 6 | w. | H. J. Wilson. |
| Klamath Falls | ....do | 4,250 | 15 | 56.8 | − 2.5 | 89 | 25 | 30 | 20 | 44 | 0.19 | − 0.71 | 0.11 | 0.0 | 2 | 16 | 9 | 5 | nw. | W. H. Heileman. |
| Lakeview | Lake | 4,800 | 7 | 65.6 | + 7.3 | 101 | 26 | 29 | 29† | 60 | 0.01 | − 1.12 | 0.01 | 0.0 | 1 | 25 | 2 | 3 | s. | Geo. L. Wharton, jr. |
| Merrill | Klamath | 4,070 | 4 | 56.7 | ..... | 89 | 1 | 27 | 21 | 48 | 0.22 | ..... | 0.20 | 0.0 | 2 | 24 | 6 | 0 | ..... | D. H. Ward. |
| Yonna | ....do | ..... | 3 | 55.6 | ..... | 89 | 25† | 25 | 7† | 55 | 0.52 | ..... | 0.36 | 0.0 | 4 | 16 | 14 | 0 | w. | Jacob Rueck. |
| *California.* | | | | | | | | | | | | | | | | | | | | |
| Alameda | Alameda | ..... | 1 | 64.0 | ..... | 78 | 24† | 48 | 6† | ... | T. | ..... | T. | 0.0 | 0 | ..... | ..... | ..... | ..... | Chas. E. Sears. |
| Alturas | Modoc | 4,460 | 6 | 59.8 | ..... | 97 | 25† | 27 | 8† | 61 | 0.24 | ..... | 0.24 | 0.0 | 1 | 19 | 11 | 0 | sw. | Prof. C. B. Towle. |
| Anderson (near) | Shasta | 550 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. S. Richardson. |
| Angiola | Tulare | 208 | 10 | 70.3 | − 3.5 | 112 | 3 | 38 | 17† | 56 | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | nw. | Santa Fe Co. |
| Antioch | Contra Costa | 46 | 31 | 71.8 | − 0.2 | 100 | 25 | 56 | 7† | ... | T. | − 0.12 | T. | 0.0 | 0 | 27 | 1 | 2 | nw. | Southern Pacific Co. |
| Aptos | Santa Cruz | 102 | 25 | 59.9 | − 2.6 | 73 | 11 | 51 | 4 | ... | 0.00 | − 0.05 | 0.00 | 0.0 | 0 | 26 | 3 | 1 | nw. | Do. |
| Arrowhead Springs | San Bernardino | 2,000 | 1 | 70.3 | ..... | 107 | 1 | 48 | 23 | 41 | 0.00 | ..... | 0.00 | 0.0 | 0 | ..... | ..... | ..... | ..... | G. I. Royce. |
| Auburn | Placer | 1,360 | 39 | 70.0 | − 0.8 | 103 | 1 | 42 | 6† | 45 | 0.00 | − 0.43 | 0.00 | 0.0 | 0 | 28 | 0 | 2 | se. | Southern Pacific Co. |
| Avalon | Los Angeles | ..... | ... | 61.3 | ..... | 71 | 13 | 52 | 13† | 16 | 0.00 | ..... | 0.00 | 0.0 | 0 | 23 | 6 | 1 | w. | W. N. Vilas. |
| Azusa | ....do | 540 | 8 | 68.6 | ..... | 98 | 9 | 46 | 6† | 52 | 0.00 | − 0.14 | 0.00 | 0.0 | 0 | 28 | 0 | 2 | ww. | A. P. Griffith. |
| Bagdad | San Bernardino | 784 | 7 | 93.2 | ..... | 116 | 1† | 72 | 7 | 37 | 0.00 | ..... | 0.00 | 0.0 | 0 | ..... | ..... | ..... | ..... | Santa Fe Co. |
| Bakersfield | Kern | 404 | 21 | 78.4 | − 3.5 | 108 | 11† | 57 | 21 | 40 | 0.00 | − 0.05 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | ..... | Do. |
| Barstow | San Bernardino | 2,105 | 7 | 78.6 | ..... | 109 | 10 | 55 | 15† | 48 | 0.00 | ..... | 0.00 | 0.0 | 0 | 30 | 0 | 0 | w. | E. L. White. |
| Berkeley | Alameda | 317 | 23 | 59.8 | − 1.1 | 76 | 25 | 44 | 10 | 25 | 0.02 | − 0.18 | 0.01 | 0.0 | 2 | 18 | 7 | 5 | s. | State University |
| Biggs | Butte | 98 | 11 | 71.5 | − 2.9 | 102 | 26 | 55 | 7 | ... | 0.00 | − 0.50 | 0.00 | 0.0 | 0 | 29 | 0 | 1 | s. | Southern Pacific Co. |
| Bishop | Inyo | 4,450 | 15 | 68.6 | + 0.7 | 95 | 26 | 41 | 5 | 47 | 0.19 | + 0.14 | 0.19 | 0.0 | 1 | 28 | 1 | 1 | ..... | W. A. Chalfant. |
| Blocksburg | Humboldt | 1,700 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Victor Hope. |
| Blue Canyon | Placer | 4,695 | 11 | 58.6 | − 5.1 | 87 | 25 | 32 | 11 | 43 | 0.00 | − 1.39 | 0.00 | 0.0 | 0 | 29 | 0 | 1 | ..... | Southern Pacific Co. |
| Blythe | Riverside | ..... | 1 | 81.4 | ..... | 113 | 26 | 51 | 30 | 54 | 0.00 | ..... | 0.00 | 0.0 | 0 | 28 | 1 | 1 | sw. | H. V. Blenkiron. |
| Branscomb | Mendocino | 2,000 | 10 | 57.4 | ..... | 94 | 25 | 32 | 21 | 46 | 0.37 | − 0.99 | 0.18 | 0.0 | 3 | 23 | 3 | 4 | n. | A. J. Haun. |
| Brawley | Imperial | − 105 | 1 | 83.8 | ..... | 115 | 10 | 52 | 30 | 52 | 0.00 | ..... | 0.00 | 0.0 | 0 | ..... | ..... | ..... | ..... | U. S. Weather Bureau. |
| Brush Creek | Butte | 2,140 | 6 | 65.3◦ | ..... | 104 | 25 | 44 | 4 | 54 | 0.00 | ..... | 0.00 | 0.0 | 0 | ..... | ..... | ..... | ..... | Cal. Gas & Electric Co |
| Calexico | Imperial | 0 | 5 | 85.0 | ..... | 113 | 10† | 58 | 14 | 41 | 0.00 | ..... | 0.00 | 0.0 | 0 | 27 | 3 | 0 | se. | J. E. Peck. |
| Caliente | Kern | 1,290 | 34 | 83.3 | + 4.4 | 108 | 28 | 62 | 14 | ... | 0.00 | − 0.12 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | ..... | Southern Pacific Co. |
| Calistoga | Napa | 363 | 38 | 64.6 | − 5.0 | 100 | 25† | 48 | 10 | ... | 0.00 | − 0.41 | 0.00 | 0.0 | 0 | 27 | 0 | 3 | w. | Do. |
| Campbell | Santa Clara | 217 | 13 | 58.2 | − 5.5 | 92 | 9 | 36 | 7† | 49 | 0.05 | − 0.05 | 0.05 | 0.0 | 1 | 24 | 4 | 2 | nw. | F. M. Righter. |
| Camptonville (near) | Yuba | 3,500 | 3 | 69.4 | ..... | 108 | 26 | 36 | 11 | 50 | 0.09 | ..... | 0.05 | 0.0 | 2 | 24 | 4 | 2 | ..... | S. B. Johnson. |
| Cedarville | Modoc | 4,675 | 16 | 64.8 | + 4.3 | 97 | 25† | 33 | 22 | 44 | 0.24 | − 0.35 | 0.24 | 0.0 | 1 | 28 | 2 | 0 | sw. | T. H. Johnstone. |
| Chico | Butte | 189 | 40 | 72.6 | − 4.5 | 109 | 25 | 40 | 6 | 51 | 0.05 | − 0.37 | 0.03 | 0.0 | 2 | 24 | 5 | 1 | s. | Butte County R. R. Co. |
| China Flat | Humboldt | 600 | 1 | 67.0 | ..... | 101 | 9 | 42 | 23 | 56 | 0.33 | ..... | 0.28 | 0.0 | 2 | 20 | 9 | 1 | nw. | O. I. Westerburg. |
| Chino | San Bernardino | 714 | 18 | 72.9 | + 1.1 | 95 | 8 | 58 | 12† | ... | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 26 | 2 | 2 | w. | Southern Pacific Co. |
| Cisco | Placer | 5,939 | 39 | 70.6 | +15.6 | 86 | 7 | 46 | 20 | ... | T. | − 0.79 | T. | 0.0 | 0 | 29 | 0 | 1 | ..... | Do. |
| Claremont | Los Angeles | 1,200 | 18 | 68.0 | + 1.3 | 97 | 9 | 46 | 6 | 48 | 0.00 | − 0.21 | 0.00 | 0.0 | 0 | 21 | 7 | 2 | w. | F. P. Brackett. |
| Cloverdale | Sonoma | 340 | 8 | 67.7 | ..... | 108 | 25 | 40 | 3† | 51 | 0.03 | ..... | 0.03 | 0.0 | 1 | 27 | 2 | 1 | ..... | Lloyd Browne. |
| Colfax | Placer | 2,421 | 39 | 64.8 | − 6.4 | 97 | 1† | 41 | 6 | 41 | T. | − 0.64 | T. | 0.0 | 0 | 24 | 0 | 6 | s. | Southern Pacific Co. |
| Colusa | Colusa | 60 | 7 | 74.5 | ..... | 101 | 25† | 50 | 18† | 31 | 0.00 | − 0.51 | 0.00 | 0.0 | 0 | ..... | ..... | ..... | ..... | W. K. De Jarnatt. |
| Corning | Tehama | 277 | 24 | 79.1 | + 1.8 | 105 | 26 | 58 | 18 | ... | 0.00 | − 0.21 | 0.00 | 0.0 | 0 | 25 | 0 | 5 | n. | Southern Pacific Co. |
| Cuyamaca (1) | San Diego | 4,677 | 11 | 66.2 | + 5.5 | 89 | 1† | 40 | 13 | 33 | 0.00 | − 0.65 | 0.00 | 0.0 | 0 | 22 | 7 | 1 | w. | L. L. Macquarie. |
| Daunt | Tulare | 4,000 | 3 | 63.8 | ..... | 96 | 26 | 40 | 14 | 44 | 0.00 | ..... | 0.00 | 0.0 | 0 | 27 | 2 | 1 | ..... | D. L. Wishon. |
| Davisville | Yolo | 51 | 38 | 65.6 | − 9.2 | 108 | 25 | 34 | 21 | 56 | T. | − 0.18 | T. | 0.0 | 0 | 28 | 1 | 1 | s. | S. H. Beckett. |
| Deer Creek | Nevada | 3,700 | 3 | 57.8 | ..... | 92 | 25 | 30 | 21 | 45 | 0.10 | ..... | 0.09 | 0.0 | 2 | 23 | 3 | 4 | w. | Cal. Gas & Electric Co. |
| Delta | Shasta | 1,138 | 25 | 65.8 | − 6.4 | 91 | 26 | 42 | 28 | 39 | 0.00 | − 1.59 | 0.00 | 0.0 | 0 | 19 | 0 | 8 | s. | Southern Pacific Co. |
| Denair | Stanislaus | 126 | 10 | 69.6 | − 3.5 | 107 | 1 | 44 | 6† | 51 | 0.00 | − 0.11 | 0.00 | 0.0 | 0 | 28 | 0 | 2 | ..... | Santa Fe Co. |
| Dobbins | Yuba | 1,650 | 6 | 70.2 | ..... | 102 | 25† | 48 | 20† | 40 | 0.04 | ..... | 0.04 | 0.0 | 1 | 25 | 3 | 2 | s. | Cal. Gas & Electric Co. |
| Dudleys | Mariposa | 3,000 | 1 | 59.0 | ..... | 94 | 26 | 31 | 21 | 49 | T. | ..... | T. | 0.0 | 0 | 27 | 1 | 2 | n. | W. H. Dudley. |
| Dunnigan | Yolo | 65 | 33 | 83.1 | + 5.2 | 106 | 25† | 60 | 14 | ... | T. | − 0.20 | T. | 0.0 | 0 | 29 | 0 | 1 | n. | Southern Pacific Co. |
| Dunsmuir | Siskiyou | 2,285 | 21 | 67.4 | + 4.0 | 101 | 1 | 42 | 20 | ... | 0.46 | − 0.75 | 0.42 | 0.0 | 2 | 24 | 0 | 6 | n. | Do. |
| Durham | Butte | 160 | 15 | 71.3 | − 2.1 | 106 | 26 | 43 | 20 | 52 | T. | − 0.52 | T. | 0.0 | 0 | 23 | 4 | 3 | s. | R. W. Durham |
| El Cajon | San Diego | 482 | 11 | 66.9 | − 0.3 | 95 | 9 | 43 | 21 | 41 | 0.00 | − 0.11 | 0.00 | 0.0 | 0 | 29 | 1 | 0 | sw. | H. H. Kessler. |
| Electra | Amador | 725 | 6 | 74.2 | ..... | 111 | 26 | 48 | 5† | 47 | 0.01 | ..... | 0.01 | 0.0 | 1 | 28 | 2 | 0 | ..... | Cal. Gas & Electric Co. |
| Elsinore | Riverside | 1,234 | 15 | 69.8 | − 1.7 | 105 | 10 | 44 | 12 | 56 | 0.00 | − 0.04 | 0.00 | 0.0 | 0 | 28 | 2 | 0 | w. | W. H. Bohannon. |
| Emigrant Gap | Placer | 5,230 | 36 | 67.7 | + 8.2 | 82 | 1 | 57 | 18 | 19 | 0.00 | − 0.86 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | ..... | Southern Pacific Co. |
| Escondido | San Diego | 657 | 16 | 67.4 | − 0.5 | 93 | 1 | 39 | 20 | 47 | 0.00 | − 0.24 | 0.00 | 0.0 | 0 | 20 | 10 | 0 | w. | A. R. Moon. |
| Eureka | Humboldt | 64 | 24 | 53.1 | − 1.5 | 63 | 29 | 46 | 23 | 17 | 0.49 | − 0.69 | 0.15 | 0.0 | 6 | 3 | 14 | 13 | nw. | U. S. Weather Bureau. |
| Farmington | San Joaquin | 111 | 31 | 69.4 | − 4.3 | 102 | 25 | 50 | 11 | ... | 0.00 | − 0.13 | 0.00 | 0.0 | 0 | 27 | 1 | 2 | nw. | Southern Pacific Co. |
| Folsom | Sacramento | 252 | 38 | 71.5 | − 4.3 | 110 | 25 | 46 | 21 | 55 | 0.02 | − 0.21 | 0.02 | 0.0 | 1 | 27 | 1 | 2 | s. | F. O. Hutton. |
| Fordyce Dam | Nevada | 6,500 | 15 | 52.7 | ..... | 82 | 26 | 28 | 21 | 40 | 0.10 | − 1.76 | 0.10 | 0.0 | 1 | 20 | 9 | 1 | sw. | E. E. Roening. |
| Fouts Springs | Colusa | 1,650 | 6 | 62.8 | ..... | 96 | 26 | 33 | 20 | 47 | 0.37 | ..... | 0.32 | 0.0 | 2 | ..... | ..... | ..... | ..... | H. S. Green. |
| Fresno | Fresno | 293 | 23 | 73.8 | − 2.0 | 107 | 26 | 51 | 6 | 43 | T. | − 0.10 | T. | 0.0 | 0 | 27 | 2 | 1 | w. | U. S. Weather Bureau. |
| Fruto | Glenn | 624 | 21 | 75.0 | − 2.0 | 106 | 25† | 53 | 6 | ... | 0.10 | − 0.24 | 0.10 | 0.0 | 1 | 26 | 0 | 4 | s. | Southern Pacific Co. |
| Galt | Sacramento | 49 | 32 | 77.7 | + 3.1 | 100 | 20 | 55 | 30 | ... | 0.00 | − 0.11 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | w. | Do. |
| Georgetown | El Dorado | 2,650 | 37 | 65.8 | − 5.1 | 99 | 24† | 40 | 6 | 46 | 0.00 | − 0.77 | 0.00 | 0.0 | 0 | ..... | ..... | ..... | ..... | H. D. Jerrett. |
| Gilroy | Santa Clara | 193 | 36 | 63.8 | − 3.2 | 105 | 25 | 40 | 7 | ... | 0.00 | − 0.08 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | se. | Southern Pacific Co. |
| Gold Run | Placer | 3,222 | 11 | 66.7 | − 3.1 | 95 | 1† | 44 | 14 | 33 | 0.75 | − 0.70 | 0.00 | 0.0 | 1 | 27 | 0 | 3 | ..... | Do. |
| Gonzales | Monterey | 127 | 11 | 52.8 | − 8.5 | 85 | 25 | 40 | 1 | ... | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 27 | 0 | 3 | n. | Do. |
| Grass Valley | Nevada | 2,690 | 38 | 65.4 | ..... | 97 | 26 | 40 | 20 | 36 | T. | − 0.65 | T. | 0.0 | 0 | 25 | 4 | 1 | sw. | F. R. Hull. |
| Greenville | Plumas | 3,600 | 16 | 58.8 | − 0.7 | 96 | 26 | 28 | 21 | 57 | T. | − 0.73 | T. | 0.0 | 0 | 23 | 6 | 1 | sw. | C. H. Higbie. |
| Groveland | Tuolumne | 2,828 | 1 | 66.5 | ..... | 96 | 26 | 38 | 21 | 40 | T. | ..... | T. | 0.0 | 0 | 26 | 4 | 0 | ..... | H. S. Richardson. |
| Guinda | Yolo | 350 | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Southern Pacific Co. |
| Hanford | Kings | 249 | 10 | 72.6 | − 4.3 | 107 | 1† | 50 | 5 | 47 | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | ..... | Santa Fe Co. |
| Healdsburg | Sonoma | 110 | 17 | 66.4 | + 2.5 | 104 | 25 | 37 | 17 | 57 | T. | − 0.48 | T. | 0.0 | 0 | 23 | 3 | 4 | nw. | John Favour. |
| Hearst | Mendocino | 1,800 | .... | 62.2 | ..... | 96 | 1 | 39 | 20 | 49 | 0.03 | ..... | 0.02 | 0.0 | 2 | 23 | 4 | 3 | e. | H. D. Ellmaker. |
| Heber | Imperial | − 20 | 4 | 85.4 | ..... | 119 | 10 | 55 | 22† | 51 | 0.00 | ..... | 0.00 | 0.0 | 0 | 28 | 0 | 2 | w. | E. T. Chumard. |
| Hollister | San Benito | 284 | 36 | 58.5 | − 7.4 | 91 | 25 | 40 | 29 | 43 | 0.00 | − 0.13 | 0.00 | 0.0 | 0 | 27 | 3 | 0 | w. | J. N. Thompson. |
| Hornbrook | Siskiyou | 2,154 | 22 | 59.8 | − 8.2 | 101 | 30 | 43 | 21 | ... | 0.00 | − 0.41 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | ..... | Southern Pacific Co. |
| Hot Springs | Tulare | 3,300 | 3 | 67.5 | ..... | 100 | 1 | 43 | 7 | 49 | 0.00 | ..... | 0.00 | 0.0 | 0 | 30 | 0 | 0 | ..... | U. S. Forest Service. |
| Hullville (near) | Lake | 2,250 | 3 | 61.4 | ..... | 97 | 25 | 34 | 20 | 46 | 0.06 | ..... | 0.02 | 0.0 | 3 | 8 | 17 | 5 | sw. | John Duggan. |
| Idyllwild | Riverside | 5,250 | 9 | 62.6 | ..... | 91 | 10† | 33 | 15 | 44 | 0.00 | ..... | 0.00 | 0.0 | 0 | 28 | 2 | 0 | sw. | Earl Powers. |
| Independence | Inyo | 3,907 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | U. S. Weather Bureau. |
| Indio | Riverside | − 20 | 32 | 87.6 | − 0.7 | 118 | 10 | 62 | 15 | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 27 | 3 | 0 | nw. | F. N. Johnson. |
| Inskip | Butte | 4,975 | 3 | 56.9 | ..... | 88 | 26 | 32 | 20† | 36 | T. | ..... | T. | 0.0 | 0 | 18 | 8 | 4 | ..... | Cal. Gas & Electric Co. |
| Ione | Amador | 287 | 32 | 76.6 | + 3.0 | 106 | 25 | 56 | 6 | ... | 0.00 | − 0.26 | 0.00 | 0.0 | 0 | 29 | 0 | 1 | w. | Southern Pacific Co. |
| Iowa Hill | Placer | 2,825 | 29 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. F. Macy. |
| Jamestown | Tuolumne | 1,471 | 7 | 68.9 | ..... | 109 | 26 | 42 | 13† | 59 | 0.00 | ..... | 0.00 | 0.0 | 0 | 29 | 1 | 0 | ..... | Sierra Ry. of California. |
| King City | Monterey | 333 | 23 | 62.0 | − 1.7 | 100 | 25 | 35 | 6† | 60 | 0.00 | − 0.03 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | ..... | Southern Pacific Co. |
| La Porte | Plumas | 5,000 | 16 | 56.0◦ | − 0.8 | 87 | 26 | 33 | 21 | 35 | 0.27 | − 1.46 | 0.15 | 0.0 | 2 | 23 | 5 | 2 | s. | C. W. Hendel. |
| La Grand | Merced | 255 | 10 | 72.1◦ | − 2.5 | 108 | 26 | 46◦ | 7 | 49 | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | ..... | Santa Fe Co. |
| Lemon Cove | Tulare | 600 | 15 | 75.8 | − 2.4 | 113 | 1 | 43 | 22 | 48 | 0.00 | − 0.08 | 0.00 | 0.0 | 0 | 28 | 0 | 2 | w. | G. W. Sandidge. |
| Lick Observatory | Santa Clara | 4,209 | 21 | 57.6 | − 2.9 | 87 | 26 | 36 | 14 | 23 | 0.07 | − 0.40 | 0.07 | 0.0 | 1 | 25 | 5 | 0 | nw. | The Director. |
| Livermore | Alameda | 485 | 39 | 63.8 | − 3.8 | 104 | 25 | 42 | 8 | 59 | 0.04 | − 0.11 | 0.04 | 0.0 | 1 | 26 | 2 | 2 | w. | E. G. Still. |
| Lodi | San Joaquin | 45 | 28 | 67.6 | − 1.5 | 102 | 25 | 43 | 7† | 43 | T. | − 0.19 | T. | 0.0 | 0 | 17 | 2 | 1 | w. | Ezra Fiske. |

TABLE 1.—*Climatological data for June, 1910. District No. 11*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *California*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Lone Pine | Inyo | 2,728 | 5 | 71.0 | ..... | 98 | 1† | 42 | 7 | 47 | T. | ..... | T. | 0.0 | 0 | 28 | 2 | 0 | s. | G. F. Marsh. |
| Long Valley | Lassen | 4,400 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | A. G. Evans. |
| Los Angeles | Los Angeles | 293 | 33 | 64.4 | − 0.1 | 85 | 11 | 52 | 12 | 27 | 0.00 | − 0.10 | 0.00 | 0.0 | 0 | 16 | 13 | 1 | sw. | U. S. Weather Bureau. |
| Los Banos | Merced | 121 | 23 | 72.6 | − 4.3 | 102 | 1 | 58 | 7† | ... | 0.00 | − 0.09 | 0.00 | 0.0 | 0 | 29 | 0 | 1 | w. | Southern Pacific Co. |
| Los Gatos | Santa Clara | 600 | 23 | 62.3 | − 3.0 | 96 | 25 | 41 | 20 | 46 | 0.04 | − 0.03 | 0.04 | 0.0 | 1 | 26 | 1 | 3 | n. | F. H. McCullagh. |
| Lytle Creek | San Bernardino | 2,900 | 1 | 64.0 | ..... | 98 | 10 | 39 | 6 | 47 | 0.00 | ..... | 0.00 | 0.0 | 0 | 20 | 8 | 2 | ..... | W. E. Anderson. |
| Macdoel | Siskiyou | 4,258 | 3 | 45.2 | ..... | 91 | 26 | 16 | 8† | 63 | 0.02 | ..... | 0.01 | 0.0 | 2 | 12 | 12 | 6 | nw. | Butte Valley L'd Co. |
| Madeline | Lassen | 5,270 | 1 | 57.3 | ..... | 93 | 26 | 37 | 21 | 51 | 0.42 | ..... | 0.39 | 0.0 | 2 | 20 | 6 | 4 | nw. | J. H. Williams. |
| Magalia | Butte | 2,321 | 6 | 64.4 | ..... | 99 | 26 | 40 | 4† | 41 | T. | ..... | T. | 0.0 | 0 | 28 | 1 | 0 | se. | Butte County R. R. Co. |
| Mammoth Tank | Imperial | 257 | 32 | 87.2 | − 5.3 | 116 | 10 | 59 | 15 | 41 | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 29 | 1 | 0 | w. | Southern Pacific Co. |
| Marysville | Yuba | 67 | 39 | 76.0 | − 0.2 | 100 | 25† | 58 | 6 | 25 | T. | − 0.26 | T. | 0.0 | 0 | 29 | 0 | 1 | s. | Do. |
| Mecca | Riverside | − 185 | 4 | 84.2 | ..... | 112 | 11 | 60 | 6 | 40 | 0.00 | ..... | 0.00 | 0.0 | 0 | 29 | 1 | 0 | nw. | A. Lunsted. |
| Menlo Park | San Mateo | 64 | 32 | 63.4 | − 2.9 | 86 | 9† | 48 | 17 | ... | 0.00 | − 0.16 | 0.00 | 0.0 | 0 | 29 | 0 | 1 | n. | Southern Pacific Co. |
| Merced | Merced | 173 | 36 | 73.4 | − 1.9 | 102 | 2 | 60 | 11† | 36 | 0.00 | − 0.16 | 0.00 | 0.0 | 0 | 29 | 0 | 1 | nw. | Santa Fe Co. |
| Mill Creek (1) | Amador | ..... | 3 | 61.3 | ..... | 92 | 1† | 36 | 21 | 42 | T. | ..... | T. | 0.0 | 0 | 26 | 1 | 3 | n. | Cal. Gas & Electric Co. |
| Milton (near) | Calaveras | 660 | 19 | 70.3 | − 2.3 | 104 | 25 | 45 | 6 | 42 | T. | − 0.28 | T. | 0.0 | 0 | 26 | 2 | 2 | nw. | J. H. Southwick. |
| Modesta | Stanislaus | 90 | 38 | 70.6 | − 6.0 | 101 | 26 | 57 | 3† | ... | 0.00 | − 0.10 | 0.00 | 0.0 | 0 | 28 | 0 | 2 | ..... | Southern Pacific Co. |
| Mojave | Kern | 2,751 | 33 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Do. |
| Mokelumne Hill | Calaveras | 1,550 | 17 | 68.0 | − 0.8 | 99 | 25† | 41 | 30 | 37 | 0.02 | − 0.42 | 0.02 | 0.0 | 1 | 24 | 2 | 4 | ..... | C. E. Prindle. |
| Mono Ranch | Ventura | 3,210 | 4 | 62.0 | ..... | 90 | 10† | 38 | 12 | 47 | 0.00 | ..... | 0.00 | 0.0 | 0 | 27 | 2 | 1 | w. | H. Lathrop. |
| Montague | Siskiyou | 2,450 | 22 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | G. H. Chambers. |
| Monterey | Monterey | 15 | 45 | 65.0 | + 4.2 | 76 | 14 | 54 | 2 | ... | 0.00 | − 0.12 | 0.00 | 0.0 | 0 | 29 | 1 | 0 | nw. | Southern Pacific Co. |
| Monterio | Kern | 4,500 | 11 | 70.5 | + 1.7 | 104 | 26 | 44 | 20 | 42 | 0.00 | − 0.16 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | nw. | John C. Knecht. |
| Monumental | Del Norte | ..... | 5 | 55.8 | ..... | 89 | 10 | 34 | 20 | 41 | 2.10 | ..... | 0.54 | 0.0 | 10 | 16 | 6 | 8 | ..... | G. F. Morgan. |
| Mount Tamalpais | Marin | 2,375 | 11 | 59.0 | − 5.1 | 88 | 25 | 40 | 6 | 25 | 0.03 | − 0.09 | 0.02 | 0.0 | 2 | 22 | 7 | 1 | nw. | U. S. Weather Bureau. |
| Napa City | Napa | 20 | 33 | 59.6 | − 5.0 | 90 | 25 | 39 | 18† | 41 | T. | − 0.15 | T. | 0.0 | 0 | 23 | 4 | 3 | s. | Thomas Hull. |
| Napa (S. H.) | ...do | 60 | 32 | 63.4 | − 1.2 | 94 | 25 | 43 | 18 | 41 | 0.03 | − 0.21 | 0.03 | 0.0 | 1 | 21 | 8 | 1 | sw. | W. H. Martin. |
| Needles | San Bernardino | 477 | 18 | 90.8 | + 3.0 | 121 | 10 | 62 | 18 | 45 | 0.00 | − 0.02 | 0.00 | 0.0 | 0 | 29 | 1 | 0 | w. | Santa Fe Co. |
| Nellie | San Diego | 5,350 | 1 | 71.3 | ..... | 91 | 10 | 41 | 5 | 40 | 0.00 | ..... | 0.00 | 0.0 | 0 | ..... | ..... | ..... | ..... | C. J. Bailey. |
| Nevada City | Nevada | 2,580 | 18 | 63.0 | + 0.1 | 98 | 25 | 32 | 21 | 52 | 0.03 | − 0.62 | 0.03 | 0.0 | 1 | 25 | 1 | 4 | sw. | S. W. Marsh. |
| Newcastle | Placer | 970 | 17 | 76.5 | + 2.5 | 108 | 1† | 43 | 7† | 64 | 0.07 | − 0.40 | 0.07 | 0.0 | 1 | 29 | 1 | 0 | s. | George D. Kellog. |
| Newhall | Los Angeles | 1,200 | 33 | 69.5 | − 1.2 | 102 | 10 | 48 | 6 | ... | 0.00 | − 0.08 | 0.00 | 0.0 | 0 | 28 | 0 | 2 | se. | Southern Pacific Co. |
| Newman | Stanislaus | 91 | 21 | 74.0° | − 4.9 | 108 | 26 | 45 | 30 | 53 | 0.00 | − 0.06 | 0.00 | 0.0 | 0 | 28 | 0 | 2 | ne. | E. S. Wangenheim. |
| Nimshew | Butte | 2,500 | 6 | 64.2 | ..... | 98 | 25† | 38 | 21 | 50 | T. | ..... | T. | 0.0 | 0 | 28 | 0 | 2 | ..... | Cal. Gas & Electric Co. |
| North Bloomfield | Nevada | 3,200 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. G. Shand. |
| North Fork | Madera | 3,000 | 6 | 68.2 | ..... | 100 | 26 | 42 | 21 | 45 | T. | ..... | T. | 0.0 | 0 | 25 | 2 | 3 | w. | G. H. Shinn. |
| Oakdale | Stanislaus | 156 | 16 | 69.9 | − 4.0 | 102 | 25 | 53 | 5 | ... | 0.00 | − 0.34 | 0.00 | 0.0 | 0 | 27 | 2 | 1 | nw. | Southern Pacific Co. |
| Oakland | Alameda | 36 | 34 | 61.2 | − 0.3 | 82 | 25 | 49 | 18 | 29 | 0.01 | − 0.32 | 0.01 | 0.0 | 1 | 16 | 8 | 6 | w. | Chabot Observatory. |
| Oceanside | San Diego | ..... | ..... | 68.8 | ..... | 80 | 7† | 57 | 10 | 22 | 0.06 | ..... | 0.05 | 0.0 | 1 | 3 | 20 | 7 | w. | H. D. Brodie. |
| Ojai Valley | Ventura | 900 | 4 | 63.8 | ..... | 95 | 9† | 42 | 4† | 53 | 0.00 | ..... | 0.00 | 0.0 | 0 | 25 | 5 | 0 | sw. | W. H. Duncan. |
| Orland | Glenn | 254 | 28 | 73.0 | − 5.7 | 105 | 25† | 48 | 4 | 47 | 0.23 | − 0.19 | 0.21 | 0.0 | 2 | 25 | 5 | 0 | se. | W. W. Patch. |
| Orleans | Humboldt | 520 | 7 | 69.8 | ..... | 104 | 9 | 44 | 21 | 55 | 0.28 | ..... | 0.10 | 0.0 | 4 | 19 | 7 | 4 | ..... | Fred T. Hale. |
| Oroville (near) | Butte | 250 | 26 | 70.8 | − 4.4 | 105 | 25† | 45 | 14 | 42 | T. | − 0.33 | T. | 0.0 | 0 | 21 | 8 | 1 | s. | E. D. Fairchild. |
| Palermo | ...do | 213 | 19 | 71.0 | − 3.3 | 108 | 25 | 44 | 20 | 51 | T. | − 0.33 | T. | 0.0 | 0 | 23 | 7 | ... | s. | Miss Hettie Boalt. |
| Palm Springs | Riverside | 584 | 21 | 84.8 | − 5.8 | 114 | 10 | 64 | 14 | ... | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 28 | 0 | 1 | w. | Southern Pacific Co. |
| Pasadena | Los Angeles | 827 | 20 | 66.6 | − 4.0 | 93 | 10 | 48 | 4† | 43 | 0.02 | + 0.01 | 0.02 | 0.0 | 1 | 28 | 0 | 2 | sw. | E. R. Sorver. |
| Paso Robles | San Luis Obispo | 800 | 23 | 65.0 | − 3.4 | 105 | 1† | 34 | 19 | 60 | 0.00 | − 0.05 | 0.00 | 0.0 | 0 | 29 | 1 | 0 | nw. | Dr. F. W. Sawyer. |
| Peachland | Sonoma | 190 | 14 | 61.0 | − 4.0 | 96 | 24 | 36 | 17† | 55 | 0.05 | − 0.36 | 0.03 | 0.0 | 2 | 27 | 2 | 1 | sw. | E. H. Parnell. |
| Penstock Camp | Tuolumne | 3,750 | 3 | 68.8 | ..... | 98 | 1 | 40 | 14 | 46 | 0.00 | ..... | 0.00 | 0.0 | 0 | 27 | 2 | 1 | w. | Tuolumne W. P. Co. |
| Placerville | El Dorado | 1,875 | 21 | 64.6 | − 2.2 | 101 | 25 | 40 | 5† | 52 | 0.00 | − 0.68 | 0.00 | 0.0 | 0 | 28 | 0 | 2 | s. | A. Baring-Gould. |
| Point Lobos | San Francisco | 250 | 17 | 54.6 | − 0.7 | 70 | 9† | 46 | 17 | 18 | 0.03 | − 0.11 | 0.03 | 0.0 | 1 | 11 | 11 | 8 | nw. | John Hyslop. |
| Point Reyes | Marin | 490 | 18 | 50.8 | − 2.0 | 59 | 18 | 45 | 7 | 13 | 0.07 | − 0.23 | 0.06 | 0.0 | 2 | 19 | 6 | 5 | nw. | U. S. Weather Bureau. |
| Porterville | Tulare | 464 | 21 | 74.0 | − 8.5 | 110 | 26 | 48 | 21† | 50 | 0.00 | − 0.18 | 0.00 | 0.0 | 0 | 27 | 3 | 0 | ..... | Harry E. Cowie. |
| Quincy | Plumas | 3,400 | 15 | 60.8 | − 1.6 | 95 | 25 | 28 | 21 | 57 | 0.00 | − 0.89 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | sw. | D. N. Rogers. |
| Red Bluff | Tehama | 307 | 33 | 73.5 | − 2.2 | 106 | 25 | 52 | 5 | 37 | 0.12 | − 0.37 | 0.10 | 0.0 | 2 | 23 | 5 | 2 | se. | U. S. Weather Bureau. |
| Redding | Shasta | 552 | 35 | 74.6 | − 1.0 | 104 | 25† | 52 | 11 | 34 | 0.01 | − 0.78 | 0.01 | 0.0 | 1 | 21 | 9 | 0 | n. | L. F. Bassett. |
| Redlands | San Bernardino | 1,352 | 17 | 69.4 | − 4.4 | 99 | 10 | 48 | 6† | 44 | 0.07 | − 0.03 | 0.07 | 0.0 | 1 | 25 | 3 | 2 | w. | Paul W. Moore. |
| Reedley | Fresno | 347 | 10 | 74.6 | − 6.5 | 108 | 26 | 40 | 13 | 59 | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | n. | Santa Fe Co. |
| Rialto (near) | San Bernardino | 2,250 | 4 | 68.1 | ..... | 94 | 10† | 48 | 4 | 35 | T. | ..... | T. | 0.0 | 0 | 26 | 3 | 1 | se. | So. California Edison Co. |
| Riverside | Riverside | 851 | 28 | 68.5 | − 2.1 | 98 | 10 | 46 | 21 | 50 | 0.00 | − 0.05 | 0.00 | 0.0 | 0 | 18 | 10 | 2 | w. | C. W. Barton. |
| Rocklin | Placer | 249 | 39 | 68.6 | − 6.4 | 105 | 25 | 42 | 21 | 49 | 0.00 | − 0.23 | 0.00 | 0.0 | 0 | 25 | 0 | 5 | se. | Southern Pacific Co. |
| Rohnerville | Humboldt | 75 | 7 | 54.8 | ..... | 69 | 37 | 37 | 22 | 31 | 0.38 | ..... | 0.15 | 0.0 | 4 | 10 | 15 | 5 | n. | Dr. R. Callahan. |
| Sacramento (1) | Sacramento | 71 | 33 | 66.4 | − 2.5 | 100 | 25 | 46 | 20 | 41 | 0.00 | − 0.17 | 0.00 | 0.0 | 0 | 26 | 3 | 1 | s. | U. S. Weather Bureau. |
| Sacramento (2) | ...do | 35 | 57 | 66.3 | − 3.9 | 96 | 25 | 45 | 20 | 38 | T. | − 0.12 | T. | 0.0 | 0 | 26 | 3 | 1 | s. | S. H. Gerrish. |
| St. Helena | Napa | 255 | 2 | 65.4 | ..... | 107 | 25 | 39 | 6 | 59 | 0.02 | ..... | 0.02 | 0.0 | 1 | 23 | 3 | 4 | ..... | B. F. Kettlewell. |
| Salinas | Monterey | 40 | 36 | 58.7 | − 3.3 | 76 | 19 | 42 | 5 | 32 | 0.00 | − 0.16 | 0.00 | 0.0 | 0 | 27 | 1 | 2 | w. | Miss E. Ruth Abbott. |
| San Bernardino | San Bernardino | 1,054 | 18 | 69.3 | − 0.6 | 102 | 10 | 44 | 6† | 54 | T. | − 0.08 | T. | 0.0 | 0 | 26 | 2 | 2 | sw. | Dr. A. K. Johnson. |
| San Diego | San Diego | 93 | 39 | 62.0 | − 1.8 | 71 | 19 | 54 | 30 | 15 | 0.00 | − 0.06 | 0.00 | 0.0 | 0 | 18 | 9 | 3 | sw. | U. S. Weather Bureau. |
| San Francisco | San Francisco | 207 | 39 | 55.9 | − 1.1 | 74 | 9 | 48 | 8 | 24 | 0.02 | − 0.22 | 0.02 | 0.0 | 1 | 21 | 8 | 1 | w. | Do. |
| San Jacinto | Riverside | 1,550 | 17 | 70.5 | + 0.3 | 103 | 10 | 44 | 6 | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 28 | 0 | 2 | w. | E. T. Tanner. |
| San Jose | Santa Clara | 95 | 35 | 59.7 | − 5.3 | 93 | 9 | 40 | 21 | 44 | 0.02 | − 0.11 | 0.02 | 0.0 | 1 | 26 | 2 | 2 | nw. | U. S. Weather Bureau. |
| San Leandro | Alameda | 48 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | E. B. Sanford. |
| San Luis Obispo | San Luis Obispo | 201 | 15 | 58.7 | − 1.7 | 86 | 24 | 43 | 7 | 40 | 0.00 | − 0.12 | 0.00 | 0.0 | 0 | 15 | 12 | 3 | nw. | U. S. Weather Bureau. |
| San Mateo | San Mateo | 22 | 36 | 65.5 | + 0.7 | 84 | 9 | 56 | 13† | ... | 0.00 | − 0.16 | 0.00 | 0.0 | 0 | 22 | 6 | 2 | nw. | Southern Pacific Co. |
| San Miguel | San Luis Obispo | 616 | 23 | 72.7 | + 2.4 | 100 | 26 | 53 | 3† | ... | 0.00 | − 0.03 | 0.00 | 0.0 | 0 | 25 | 2 | 3 | n. | Do. |
| San Miguel Island | Santa Barbara | 500 | ... | 55.4 | ..... | 65 | 25 | 48 | 5† | 14 | 0.19 | ..... | 0.15 | 0.0 | 2 | 14 | 14 | 2 | nw. | Capt. W. G. Waters. |
| Sanger | Fresno | 371 | 21 | 86.0 | + 5.2 | 109 | 29 | 69 | 8† | ... | 0.00 | − 0.18 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | ..... | Southern Pacific Co. |
| Santa Barbara | Santa Barbara | 130 | 26 | 60.6 | − 2.6 | 79 | 18 | 46 | 5 | 27 | 0.00 | − 0.11 | 0.00 | 0.0 | 0 | 25 | 5 | 0 | e. | George W. Russell. |
| Santa Clara | Santa Clara | 90 | 21 | 59.4 | − 2.7 | 94 | 9 | 38 | 17† | 50 | 0.03 | − 0.14 | 0.03 | 0.0 | 1 | 27 | 1 | 2 | nw. | Santa Clara College. |
| Santa Cruz | Santa Cruz | 20 | 37 | 58.4 | − 4.7 | 83 | 25 | 39 | 18† | 40 | 0.05 | − 0.16 | 0.05 | 0.0 | 1 | 27 | 2 | 1 | w. | W. R. Springer. |
| Santa Magarita | San Luis Obispo | 996 | 21 | 71.3 | + 4.1 | 99 | 27 | 50 | 8† | ... | 0.00 | − 0.07 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | s. | Southern Pacific Co. |
| Santa Maria | Santa Barbara | 220 | 22 | 65.2 | + 2.3 | 80 | 26 | 50 | 12 | 25 | 0.00 | − 0.01 | 0.00 | 0.0 | 0 | 29 | 0 | 1 | w. | L. E. Blochman. |
| Santa Monica | Los Angeles | 110 | 25 | 58.0 | − 8.9 | 73 | 10 | 48 | 4† | 25 | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 26 | 2 | 2 | w. | N. D. Ingham. |
| Santa Rosa | Sonoma | 181 | 21 | 61.2 | − 5.6 | 95 | 9 | 37 | 18† | 47 | 0.05 | − 0.18 | 0.03 | 0.0 | 2 | 24 | 5 | 1 | sw. | M. L. McDonald, jr. |
| Selma | Fresno | 311 | 24 | 80.2 | + 1.0 | 103 | 26 | 60 | 11† | ... | 0.00 | − 0.06 | 0.00 | 0.0 | 0 | 29 | 1 | 0 | nw. | Southern Pacific Co. |
| Shasta | Shasta | 1,049 | 14 | 74.4 | − 2.3 | 108 | 2† | 40 | 17† | 55 | 0.12 | − 0.62 | 0.09 | 0.0 | 2 | 24 | 2 | 4 | nw. | Dr. T. J. Edgecomb. |
| Sierra Madre | Los Angeles | 1,400 | 13 | 67.3 | + 0.2 | 91 | 10 | 50 | 6† | 35 | 0.14 | − 0.11 | 0.07 | 0.0 | 2 | 26 | 1 | 3 | s. | Miss A. E. Carter. |
| Sierraville | Sierra | 5,000 | ... | 57.2 | ..... | 91 | 1† | 26 | 21 | 54 | 0.00 | ..... | 0.00 | 0.0 | 0 | 22 | 6 | 2 | sw. | C. D. Johnson. |
| Sisson | Siskiyou | 3,555 | 21 | 57.6 | − 5.8 | 89 | 26 | 30 | 19 | 56 | 0.00 | − 0.73 | 0.00 | 0.0 | 0 | 24 | 0 | 6 | n. | Southern Pacific Co. |
| Soledad | Monterey | 188 | 36 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Do. |
| Southeast Farallon | San Francisco | 30 | 7 | 52.2 | ..... | 60 | 9 | 48 | 8 | 10 | 0.03 | ..... | 0.02 | 0.0 | 2 | 18 | 4 | 8 | nw. | U. S. Weather Bureau. |
| Sonora | Tuolumne | 1,825 | 22 | 68.4 | ..... | 100 | 26 | 44 | 21 | 40 | 0.00 | − 0.32 | 0.00 | 0.0 | 0 | 28 | 2 | 0 | w. | Charles P. Jones. |
| Stirling City | Butte | 3,525 | 6 | 60.8 | ..... | 95 | 27† | 29 | 3 | 50 | 0.10 | ..... | 0.05 | 0.0 | 2 | 21 | 4 | 5 | se. | Butte County R. R. Co. |
| Stockton (S. H.) | San Joaquin | 23 | 39 | 66.3 | − 3.0 | 100 | 25 | 45 | 20 | 45 | T. | − 0.09 | T. | 0.0 | 0 | 27 | 3 | 0 | nw. | State Hospital. |
| Storey | Madera | 296 | 10 | 68.4 | − 5.9 | 109 | 26 | 38 | 21 | 54 | 0.00 | − 0.02 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | nw. | Santa Fe Co. |
| Suisun | Solano | 20 | 30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Southern Pacific Co. |
| Summerdale | Mariposa | 5,270 | 14 | 60.3 | − 0.7 | 90 | 24 | 38 | 14 | 39 | 0.00 | − 0.39 | 0.00 | 0.0 | 0 | 19 | 10 | 1 | ..... | J. H. Lowry. |

TABLE 1.—*Climatological data for June, 1910. District No. 11*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *California*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Summit | Placer | 7,017 | 37 | 55.6 | + 2.4 | 82 | 26 | 30 | 6 | 43 | 0.00 | − 0.58 | 0.00 | 0.0 | 0 | 26 | 0 | 4 | w. | Southern Pacific Co. |
| Susanville | Lassen | 4,175 | 21 | 61.4 | − 2.5 | 95 | 26 | 31 | 20† | 54 | 0.00 | − 0.58 | 0.00 | 0.0 | 0 | 22 | 8 | 0 | ..... | James Branham. |
| Tamarack | Alpine | 8,000 | 4 | 50.8 | ..... | 80 | 25 | 24 | 21 | 42 | 0.00 | ..... | 0.00 | 0.0 | 0 | 25 | 3 | 2 | sw. | William Bennett. |
| Tehachapi | Kern | 3,964 | 33 | 70.7 | + 1.3 | 98 | 7 | 50 | 14 | .... | 0.00 | − 0.10 | 0.00 | 0.0 | 0 | ..... | ..... | ..... | ..... | Southern Pacific Co. |
| Tehama | Tehama | 220 | 39 | 86.6 | + 9.0 | 112 | 26 | 57 | 19 | .... | 0.25 | − 0.05 | 0.25 | 0.0 | 1 | 26 | 0 | 4 | s. | Do. |
| Three Rivers | Tulare | 870 | .... | 70.4 | ..... | 102 | 25† | 43 | 22 | 44 | 0.00 | ..... | 0.00 | 0.0 | 0 | 26 | 3 | 1 | sw. | E. D. Barton. |
| Towle | Placer | 3,704 | 24 | 62.2 | − 2.6 | 94 | 25 | 37 | 21 | 41 | T. | − 0.80 | T. | 0.0 | 0 | 27 | 1 | 2 | s. | Southern Pacific Co. |
| Tracy | San Joaquin | 64 | 30 | 73.4 | − 2.5 | 95 | 26 | 56 | 3 | .... | 0.00 | − 0.18 | 0.00 | 0.0 | 0 | 28 | 1 | 1 | nw. | Do. |
| Ukiah | Mendocino | 620 | 17 | 65.4 | − 2.3 | 103 | 25 | 39 | 4† | 54 | 0.18 | − 0.15 | 0.18 | 0.0 | 1 | 24 | 2 | 4 | nw. | Dr. George McGowen. |
| Upland | San Bernardino | 1,750 | 13 | 65.6 | − 1.2 | 93 | 10 | 45 | 6 | 45 | 0.00 | − 0.17 | 0.00 | 0.0 | 0 | 20 | 8 | 2 | w. | A. P. Harwood. |
| Upper Lake | Lake | 1,350 | 25 | 64.8 | − 1.4 | 100 | 25 | 41 | 6 | 46 | 0.05 | − 0.22 | 0.05 | 0.0 | 1 | 24 | 5 | 1 | nw. | C. M. Hammond. |
| Vacaville | Solano | 175 | 22 | 66.6 | − 5.3 | 105 | 25 | 40 | 21 | 52 | T. | − 0.17 | T. | 0.0 | 0 | 27 | 3 | 0 | sw. | G. O. Coburn. |
| Valley Springs | Calveras | 673 | 21 | 72.1 | − 2.4 | 104 | 26 | 57 | 6 | .... | 0.00 | − 0.30 | 0.00 | 0.0 | 0 | 27 | 2 | 1 | nw. | Southern Pacific Co. |
| Visalia | Tulare | 334 | 22 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Santa Fe Co. |
| Warner Springs | San Diego | 3,165 | 2 | 65.2 | ..... | 96 | 10 | 42 | 2 | 41 | 0.00 | ..... | 0.00 | 0.0 | 0 | 30 | 0 | 0 | ..... | Mrs. E. F. Sanford. |
| Wasco | Kern | 336 | 10 | 72.2 | − 5.1 | 105 | 1 | 47 | 24 | 46 | 0.00 | 0.00 | 0.00 | 0.0 | 0 | 30 | 0 | 0 | ..... | Santa Fe Co. |
| Watsonville | Santa Cruz | 23 | 14 | 63.1 | + 0.7 | 79 | 11 | 49 | 7 | 24 | 0.00 | − 0.17 | 0.00 | 0.0 | 0 | 11 | 17 | 2 | se. | Spreckels Sugar Co. |
| Westley | Stanislaus | 90 | 21 | 76.8 | − 1.1 | 103 | 25† | 58 | 14 | .... | T. | − 0.09 | T. | 0.0 | 0 | 27 | 0 | 3 | n. | Southern Pacific Co. |
| Wheatland | Yuba | 84 | 23 | 69.4 | − 2.5 | 102 | 26 | 47 | 20† | 42 | T. | − 0.18 | T. | 0.0 | 0 | 24 | 3 | 3 | s. | Wm. Lumbard. |
| Willows | Glenn | 136 | 31 | 71.2 | − 5.6 | 104 | 25 | 47 | 20 | 42 | 0.02 | − 0.16 | 0.01 | 0.0 | 2 | 26 | 2 | 2 | s. | M. T. Harrington, jr. |
| Yosemite | Mariposa | 3,945 | 6 | 63.8 | ..... | 94 | 1† | 37 | 7† | 54 | 0.00 | ..... | 0.00 | 0.0 | 0 | 30 | 0 | 0 | sw. | C. W. Tucker. |

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
• Precipitation included in that of the next measurement.
•• Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
‖ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
| Estimated by observer.
|| Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1910. District No. 11, California.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Oregon.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Klamath Agency | Klamath | | | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | T. |
| Klamath Falls | do | | | | | | | | | | T. | .08 | | | | T. | .11 | | | | | | | | | | | | | | | 0.19 |
| Lakeview | Pitt | | | | | | | | | | | | | | | | | | .01 | | | | | | | | | | | | | | 0.01 |
| Long Valley | do | | | | | | T. | | | | | .02 | | | | | .24 | | | | .02 | | .03 | | | | | | | T. | | 0.31 |
| Merrill | Interior Drainage | | | | | | .20 | | | | T. | | | | | | .02 | | | | | | T. | | | | | | | | | 0.22 |
| Yonna | do | | | | | | .03 | | | | T. | .08 | | | | | .36 | | | | | | | | | | | | | .05 | | 0.52 |
| *California.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aguanga | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Alameda | do | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | T. |
| Alturas | Sacramento | | | | | | | | | | | | | | | | .24 | | | | | | | | | | | | | | | | 0.24 |
| Anderson | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angles Camp | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Angiola | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Antioch | do | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | T. |
| Aptos | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Arrowhead Springs | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Auburn | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Avalon | Ocean | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Azusa | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Bagdad | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Bakersfield | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Barstow | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Bear River | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bear Valley (1) | Sacramento | | | | | | | | | | | | | | .08 | | | | | | | | | | | | | | | | | | 0.08 |
| Bear Valley (2) | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Bear Valley Dam | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Ben Lomond | do | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | T. |
| Berkeley | do | | | | | | | | | | .01 | | | .01 | | | | | | | | | | | | | | | | | | | 0.02 |
| Big Bar | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Biggs | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Bishop | Owens | | | | | | | | | | | | | | .19 | | | | | | | | | | | | | | | | | | 0.19 |
| Bishop Creek | do | | | | | | | | | | | | | | .05 | | | | | | | | | | | | | | | | | | 0.05 |
| Blocksburg | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blue Canyon | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Blythe | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Boulder Creek | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Bowmans Dam | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Branscomb | Coast | | | | | | | | | | .15 | | | .04 | | | | | | .18 | | | | | | | | | | | | | 0.37 |
| Brawley | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brush Creek | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Burney | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Butte Creek House | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Butte Valley | do | | | | | | | | | | | | | | | .07 | | | | | | | | | | | | | | | | | 0.07 |
| Calexico | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Caliente | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Calistoga | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Campbell | do | | | | | | | | | | T. | | | .05 | | | | | | | | | | | | | | | | | | | 0.05 |
| Campo | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Camptonville (near) | Sacramento | | | | | | | | | | .04 | | | | .05 | | | | | | | | | | | | | | | | | | 0.09 |
| Cedarville | Mountain Lakes | | | | | | | | | | | | | | | .24 | | | | | | | T. | | | | | | | | | 0.24 |
| Chester | Sacramento | | | | | | | | | | | | | | .09 | | .10 | | | | | | | | | | | | | | | | 0.19 |
| Chico | do | | | | | | | | | | | | | | .03 | | .02 | | | | | | | | | | | | | | | | 0.05 |
| Chico (near) | do | | | | | | | | | | T. | | | T. | | | .05 | | | | | | | | | | | | | | | | 0.05 |
| China Flat | Coast | | | | | | | | | | .28 | | | .05 | | | | T. | T. | T. | T. | | | | | | | | | | | | 0.33 |
| Chino | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Cisco | Sacramento | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Claremont | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Clear Lake | Klamath | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloverdale | Coast | | | | | | | | | | .03 | | | T. | | | | | | | | | | | | | | | | | | | 0.03 |
| Colfax | Sacramento | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Colgate | do | | | | | | | | | | | | | | .04 | | | | | | | | | | | | | | | | | | 0.04 |
| Colusa | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Corning | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Corona | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crockers | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cuyamaca | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Daunt | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Davisville | Sacramento | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | T. |
| Deer Creek | do | | | | | | | | | | .01 | T. | | | .09 | | | | | | | | | | | | | | | | | | 0.10 |
| Delta | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Denair | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Descanso | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Dinuba | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Dobbins | Sacramento | | | | | | | | | | T. | | | | .04 | | T. | | | | | | | | | | | | | | | | 0.04 |
| Dorris | Klamath | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Downieville | Sacramento | | | | | | | | | | T. | | | | .13 | | T. | | | | | | | | | | | | | | | | 0.13 |
| Dudleys | San Joaquin | | | | | | | | | | T. | T. | | | | | | | | | | | | | | | | | | | | | | T. |
| Dunnigan | Sacramento | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | T. |
| Dunsmuir | do | | | | | | | | | | | | | | | | .42 | | | | .04 | | | | | | | | | | | | 0.46 |
| Durham | do | | | | | | | | | | T. | | | T. | | | T. | | | | | | | | | | | | | | | | | T. |
| Dyerville | Coast | | | | | | | | | | | | | | | | | | | .23 | | | | | | | | | | | | | 0.23 |
| Edgewood | Klamath | | | | | | | | | | | .08 | | .25 | | .37 | | | | | | | | | | | | | | | | | 0.70 |
| Edison | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| El Cajon | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Electra | San Joaquin | | | | | | | | | | T. | | | | .01 | | | | | | | | | | | | | | | | | | 0.01 |
| Elsinore | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Emigrant Gap | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Escondido | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Eureka | do | | | | | | | | | | .11 | | | .14 | | .01 | | | | .15 | .07 | | | | | | | | | | .01 | | 0.49 |
| Fairmont | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Farmington | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Felton | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Firebaugh | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Folsom | Sacramento | | | | | | | | | | .02 | | | | | | | | | | | | | | | | | | | | | | 0.02 |
| Fordyce Dam | do | | | | | | | | | | T. | | | | .10 | T. | T. | | | | | | | | | | | | | | | | 0.10 |
| Fort Bragg | Coast | | | | | | | | | | | | | | | | | | | .40 | .10 | | | | | | | | | | | | 0.50 |
| Fort Ross | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fouts Springs | Sacramento | | | | | | | | | | .05 | T. | | T. | .32 | | | | | | | T. | T. | | | | | | | | | | 0.37 |
| Fredalba | Coast | | | | | | | | | | | | | | T. | .04 | | | | | | | | | | | | | | | | | 0.04 |
| Fresno | San Joaquin | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | T. |
| Fruto | Sacramento | | | | | | | | | | | T. | | | .10 | | | | | | | | | | | | | | | | | | 0.10 |
| Galt | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Georgetown | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Gilroy | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 11*—Continued.

| Stations | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *California*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gilts | Coast | | | | | | | | | | .15 | .07 | | | .09 | | .05 | | .03 | .26 | .01 | | | | | | | | | | | | 0.66 |
| Glendora | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Glen Ranch | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Glennville | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Glenwood | Coast | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Gold Run | Sacramento | | | | | | | | | | | T. | | | .75 | T. | T. | | | | | | | | | | | | | | | | 0.75 |
| Gonzales | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Grass Valley | Sacramento | | | | | | | | | | T. | | | | T. | | T. | | | | | | | | | | | | | | | | T. |
| Greenville | do | | | | | | | | | | T. | | | | | | T. | | | | | | | | | | | | | | | | T. |
| Gridley | do | | | | | | | | | | | | | | | T. | | T. | | | | | | | | | | | | | | | T. |
| Groveland | San Joaquin | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | T. |
| Guinda | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Hanford | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Head Dam | Sacramento | | | | | | | | | | | .01 | | | .04 | | | | | | | | | | | | | | | | | | 0.05 |
| Healdsburg | Coast | | | | | | | | | | T. | | | T. | T. | | | | | T. | | | | | | | | | | | | | T. |
| Hearst | do | | | | | | | | | | | .02 | | | | | | | | .01 | | | | | | | | | | | | | 0.03 |
| Heber | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Helen Mine | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Hesperia | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Holcomb | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Hollister | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Hornbrook | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Hot Springs | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Hullville | Coast | | | | | | | | | | .02 | | | | .02 | | .02 | | | T. | | | | | | | | | | | | | 0.06 |
| Idyllwild | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Independence | Owens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Indio | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Inskip | Sacramento | | | | | | | | | | T. | | | | T. | | T. | | | | | | | | | | | | | | | | T. |
| Ione | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Iowa Hill | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Isabella | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Jacksonville | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Jamestown | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Jenny Lind | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Johnsville | Mountain Lakes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Jolon | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Julian | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Kennedy Mine | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Kennett | Sacramento | | | | | | | | | | .10 | | | | .10 | | | | | T. | | | | | | | | | | | | | 0.20 |
| Kentfield | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Kernville | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| King City | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Knights Landing | Sacramento | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | T. |
| Knob | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| La Grange | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Lake Eleanor | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Lakeside | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| La Porte | Sacramento | | | | | | | | | T. | T. | .15 | | | .12 | | T. | | | | | | | | | | | | | | | | 0.27 |
| Lathrop | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Laurel | Coast | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Laytonville | do | | | | | | | | | | .15 | | | | T. | | T. | | | .06 | | | | | | | | | | | | | 0.21 |
| Le Grand | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Lemon Cove | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Letter Box | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Lick Observatory | Coast | | | | | | | | | | | | | | .07 | | | | | | | | | | | | | | | | | | 0.07 |
| Livermore | do | | | | | | | | | | T. | | | | .04 | | | | | | | | | | | | | | | | | | 0.04 |
| Lodi | San Joaquin | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | T. |
| Lone Pine | Owens | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Long Camp | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Long Valley | Mountain Lakes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Lordsburg | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Los Alamos | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Los Angeles | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Los Banos | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Los Burros Mine | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Los Gatos | do | | | | | | | | | | T. | | | .04 | | | | | | | | | | | | | | | | | | 0.04 |
| Los Vaqueros | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Lowe Observatory | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Lytle Creek | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| McCloud | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Macdoel | Klamath | | | | | | | .01 | | | | .01 | | | | | | | | | | | | | | | | | | | | | 0.02 |
| Madeline | Mountain Lakes | | | | | | .03 | | | | T. | | | | | | .39 | | | | | | | | | | | | | | | | 0.42 |
| Magalia | Sacramento | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | T. |
| Mammoth Tank | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Mariposa | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Marysville | Sacramento | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Mecca | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Melones | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Menlo Park | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Merced | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Merced Falls | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Mesa Grande | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Mill Creek (1) | San Joaquin | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | T. |
| Mill Creek (2) | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Mills College | do | | | | | | | | | | T. | | | | .02 | | | | | | | | | | | | | | | | | | 0.02 |
| Milo | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Milton (near) | do | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | T. |
| Modesto | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Mojave | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Mokelumne Hill | San Joaquin | | | | | | | | | | T. | | | | .02 | | | | | | | | | | | | | | | | | | 0.02 |
| Mono Ranch | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Montague | Klamath | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Monterey | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Monterio | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Montgomery Creek | Sacramento | | | | | | | | | | | | | | | | | .35 | | | | | | | | | | | | | | | 0.35 |
| Monumental | Coast | | | | | | | | | | | .30 | .05 | | .15 | .18 | .01 | .02 | .30 | .50 | .54 | .05 | | | | | | | | | | | 2.10 |
| Morena Dam | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ..... |
| Mount Tamalpais | do | | | | | | | | | | T. | | | | .02 | | | | | .01 | | | | | | | | | | | | | 0.03 |
| Mount St. Helena | do | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | T. |
| Napa City | do | | | | | | | | | | T. | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Napa (S. H.) | do | | | | | | | | | | .03 | | | | | | | | | | | | | | | | | | | | | | 0.03 |
| Needles | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Nellie | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Nevada City | Sacramento | | | | | | | | | | T. | | | | .03 | | T. | | | | | | | | | | | | | | | | 0.03 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 11*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *California*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Newcastle | Sacramento | | | | | | | | | | | .07 | | | | | | | | | | | | | | | | | | | | | 0.07 |
| Newhall | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Newman | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Nimshew | Sacramento | | | | | | | | | | T. | | | | | | T. | | | | | | | | | | | | | | | | T. |
| North Bloomfield | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| North Fork | San Joaquin | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| North Lakeport | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oakdale | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Oak Grove | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oakland | do | | | | | | | | | | T. | | | | .01 | | | | | | | | | | | | | | | | | | 0.01 |
| Oakville | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Oceanside | do | | | | | | | | | | | | | | .06 | | | | | | | | | | | | | | | | | | 0.06 |
| Ojai Valley | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Orland | Sacramento | | | | | | | | | | T. | | | .21 | | .02 | | T. | | | | | | | | | | | | | | | 0.23 |
| Orleans | Klamath | | | | | | | | | | .04 | | | .06 | | | | .10 | .08 | | | | | | | | | | | | | | | 0.28 |
| Oroville | Sacramento | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | T. |
| Ozena | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Palermo | Sacramento | | | | | | | | | | T. | | | | T. | | T. | | | | | | | | | | | | | | | | | T. |
| Palm Springs | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Parkfield | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Pasadena | do | | | | | | | | | | | | | | | .02 | | | | | | | | | | | | | | | | | 0.02 |
| Paso Robles | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Peachland | do | | | | | | | | | | .02 | | | .03 | | | | | | T. | | | | | | | | | | | | | 0.05 |
| Penstock Camp | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Peyton | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Phoenix Dam | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Pilot Creek | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pine Crest | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittville | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Placerville | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Point Lobos | Coast | | | | | | | | | | T. | T. | | | .03 | | | | | | | | | | | | | | | | | | 0.03 |
| Point Loma | do | T. | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | T. |
| Point Reyes | do | | | | | | | | | | .06 | | | T. | | | | | | .01 | | | | | | | | | | | | | 0.07 |
| Pollasky | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Porterville | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Priest Valley | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Quincy | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Red Bluff | do | | | | | | | | | | T. | | | | .02 | | .10 | | | | | | | | | | | | | | | | 0.12 |
| Redding | do | | | | | | | | | | .01 | | | | | | | | | | | T. | | | | | | | | | | | 0.01 |
| Redlands | Coast | | | | | | | | | | | | | | .07 | | | | | | | | | | | | | | | | | | 0.07 |
| Reedley | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Represa | Sacramento | | | | | | | | | | .04 | | | | | | | | | | | | | | | | | | | | | | 0.04 |
| Rialto (near) | Coast | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. |
| Rio Vista | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Riverside | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Rocklin | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Rohnerville | Coast | | | | | | | | | .06 | | | | | | | | | .05 | .15 | .12 | | | | | | | | | | | | 0.38 |
| Round Valley | Owens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sacramento (1) | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Sacramento (2) | do | | | | | | | | | | T. | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Saint Helena | Coast | | | | | | | | | | | | | .02 | | | | | | | | | | | | | | | | | | | 0.02 |
| Salinas | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| San Bernardino | do | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| San Diego | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| San Francisco | do | | | | | | | | | | T. | T. | | .02 | | | | | | | | | | | | | | | | | | | 0.02 |
| San Jacinto | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| San Jose | do | | | | | | | | | | T. | | | | .02 | | | | | | | | | | | | | | | | | | 0.02 |
| San Leandro | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| San Luis Obispo | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| San Mateo | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| San Miguel | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| San Miguel Island | Ocean | .15 | | | | | | | | | | | | | | | | | | | | | | | | | .04 | | | | | | 0.19 |
| Sanger | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Santa Ana River | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Santa Barbara | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Santa Clara | do | | | | | | | | | | | | | | .03 | | | | | | | | | | | | | | | | | | 0.03 |
| Santa Cruz | do | | | | | | | | | | T. | | | .05 | | | | | | | | | | | | | | | | | | | 0.05 |
| Santa Margarita | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Santa Maria | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Santa Monica | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Santa Rosa | do | | | | | | | | | | T. | | | | .03 | | | | | .02 | | | | | | | | | | | | | 0.05 |
| Sausalito | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Selma | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Seven Oaks | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Shasta | Sacramento | | | | | | | | | .09 | | | | | .03 | | | | | | | | | | | | | | | | | | 0.12 |
| Shingle Springs | San Joaquin | | | | | | | | | | | | | T. | T. | | | | | | | | | | | | | | | | | | T. |
| Sierra Madre | Coast | | | .07 | | | | | | | | | | | .07 | | | | | | | | | | | | | | | | | | 0.14 |
| Sierraville | Mountain Lakes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Sisquoc Ranch | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sisson | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Soledad | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sonora | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Southeast Farallon | Ocean | | | | | | | | | | .02 | | | T. | | | | | | .01 | | | | | | | | | | | | | 0.03 |
| Spreckels | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Squirrel Inn | do | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Stirling City | Sacramento | | | | | | | | | | T. | | | | .05 | | .05 | T. | | | | | | | | | | | | | | | 0.10 |
| Stockton (S. H.) | San Joaquin | | | | | | | | | | T. | | | T. | T. | | | | | | | | | | | | | | | | | | T. |
| Storey | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Suisun | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summerdale | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Summit (1) | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Summit (2) | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Surrey | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Susanville | Mountain Lakes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Tamarack | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Tehachipi | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Tehama | Sacramento | | | | | | | | | | | | | | | | .25 | | | | | | | | | | | | | | | | 0.25 |
| Three Rivers | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Towle | Sacramento | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | | | T. |
| Tracy | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Tulare | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Tustin (near) | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Ukiah | do | | | | | | | | | | .18 | | | T. | | | | | | T. | | | | | | | | | | | | | 0.18 |
| Upland | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |

TABLE 2—*Daily precipitation for June, 1910. District No. 11*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *California*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Upper Lake | Coast | | | | | | | | | | T. | | | T. | .05 | | | | | | | | | | | | | | | | 0.05 |
| Upper Matole | do | | | | | | | | | | T. | | | T. | | | | | .16 | .12 | | | | | | | | | | | 0.28 |
| Vacaville | Sacramento | | | | | | | | | | T. | | | T. | | | | | | | | | | | | | | | | | T. |
| Valley Springs | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Ventura | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Visalia | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Warner Springs | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Wasco | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Watsonville | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Weaverville | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weitchpec | Klamath | | | | | | | | | | .14 | | | .03 | .06 | | .02 | | | .23 | .18 | | | | | | | | | | 0.66 |
| West Branch | Sacramento | | | | | | | | | | | | | | .07 | | .08 | | | | | | | | | | | | | | 0.15 |
| Westley | San Joaquin | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | T. |
| West Point | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| West Saticoy | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Wheatland | Sacramento | | | | | | | | | | T. | | | | | T. | | | | | | | | | | | | | | | T. |
| Willows | do | | | | | | | | | | T. | | | .01 | | | .01 | | | | | | | | | | | | | | 0.02 |
| Woodleaf | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yosemite | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Yucaipa | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3.—*Maximum and minimum temperatures at selected stations for June, 1910. District No. 11, California.*

| Date. | Lakeview, Oreg. | | California. | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Alturas. | | Barstow. | | Branscomb. | | Brawley. | | Colusa. | | Eureka. | | Fresno. | | Independence. | | Los Angeles. | | Mount Tamalpais. | | Nevada City. | | Porterville. | | Red Bluff. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 80 | 60 | 93 | 48 | 108 | 67 | 85 | 45 | 104 | 72 | 97 | 73 | 59 | 50 | 105 | 67 | ..... | ..... | 79 | 54 | 77 | 64 | 95 | 50 | 107 | 66 | 101 | 70 |
| 2 | 75 | 50 | 82 | 40 | 101 | 73 | 80 | 40 | 104 | 69 | 89 | 64 | 56 | 49 | 92 | 60 | ..... | ..... | 70 | 57 | 66 | 55 | 88 | 49 | 96 | 52 | 91 | 67 |
| 3 | 69 | 50 | 84 | 30 | 102 | 59 | 75 | 40 | 97 | 66 | 86 | 58 | 57 | 49 | 92 | 53 | ..... | ..... | 72 | 56 | 64 | 53 | 85 | 44 | 92 | 52 | 86 | 60 |
| 4 | 82 | 60 | 85 | 40 | 100 | 57 | 70 | 37 | 98 | 65 | 82 | 56 | 58 | 49 | 93 | 56 | ..... | ..... | 71 | 54 | 60 | 41 | 86 | 40 | 95 | 52 | 85 | 59 |
| 5 | 86 | 63 | 79 | 34 | 98 | 59 | 65 | 38 | 104 | 62 | 81 | 63 | 59 | 51 | 83 | 52 | ..... | ..... | 70 | 55 | 54 | 41 | 77 | 37 | 87 | 51 | 79 | 52 |
| 6 | 80 | 50 | 74 | 38 | 94 | 59 | 67 | 35 | 104 | 56 | 79 | 57 | 55 | 49 | 85 | 51 | ..... | ..... | 72 | 53 | 58 | 40 | 77 | 38 | 87 | 49 | 80 | 54 |
| 7 | 82 | 53 | 74 | 32 | 96 | 58 | 78 | 45 | 102 | 61 | 82 | 57 | 56 | 49 | 89 | 52 | ..... | ..... | 72 | 53 | 67 | 54 | 80 | 38 | 91 | 49 | 85 | 55 |
| 8 | 81 | 60 | 81 | 27 | 98 | 56 | 86 | 45 | 103 | 61 | 90 | 65 | 56 | 48 | 95 | 53 | ..... | ..... | 74 | 54 | 77 | 59 | 87 | 38 | 96 | 53 | 94 | 62 |
| 9 | 83 | 76 | 92 | 31 | 102 | 60 | 90 | 47 | 111 | 63 | 95 | 72 | 56 | 49 | 99 | 61 | ..... | ..... | 79 | 53 | 83 | 68 | 95 | 43 | 102 | 58 | 99 | 62 |
| 10 | 80 | 59 | 92 | 39 | 109 | 68 | 80 | 44 | 115 | 63 | 93 | 72 | 55 | 47 | 103 | 60 | ..... | ..... | 78 | 55 | 71 | 46 | 88 | 47 | 107 | 62 | 86 | 59 |
| 11 | 75 | 67 | 77 | 40 | 100 | 66 | 89 | 46 | 112 | 88 | 81 | 58 | 58 | 50 | 84 | 54 | ..... | ..... | 85 | 58 | 64 | 45 | 83 | 41 | 85 | 51 | 82 | 53 |
| 12 | 83 | 54 | 79 | 32 | 97 | 58 | 78 | 48 | 109 | 70 | 91 | 76 | 55 | 49 | 90 | 58 | ..... | ..... | 75 | 52 | 74 | 56 | 88 | 39 | 92 | 51 | 91 | 65 |
| 13 | 86 | 63 | 84 | 38 | 95 | 61 | 67 | 45 | 101 | 73 | 89 | 60 | 53 | 49 | 85 | 55 | ..... | ..... | 73 | 56 | 60 | 41 | 81 | 44 | 89 | 55 | 84 | 60 |
| 14 | 84 | 58 | 77 | 45 | 79 | 57 | 69 | 44 | 91 | 55 | 76 | 56 | 56 | 49 | 72 | 55 | ..... | ..... | 65 | 55 | 60 | 41 | 69 | 45 | 77 | 56 | 76 | 56 |
| 15 | 80 | 53 | 85 | 38 | 88 | 55 | 72 | 46 | 90 | 58 | 82 | 57 | 56 | 50 | 83 | 54 | ..... | ..... | 66 | 56 | 66 | 51 | 78 | 41 | 87 | 50 | 85 | 57 |
| 16 | 72 | 54 | 78 | 48 | 98 | 57 | 78 | 41 | 98 | 61 | 82 | 60 | 58 | 51 | 88 | 55 | ..... | ..... | 71 | 55 | 69 | 50 | 80 | 53 | 90 | 54 | 81 | 55 |
| 17 | 82 | 60 | 77 | 44 | 101 | 64 | 60 | 40 | 102 | 63 | 81 | 52 | 55 | 48 | 92 | 58 | ..... | ..... | 74 | 55 | 65 | 45 | 80 | 42 | 97 | 55 | 80 | 57 |
| 18 | 80 | 42 | 77 | 45 | 100 | 57 | 67 | 39 | 103 | 66 | 81 | 50 | 60 | 49 | 90 | 53 | ..... | ..... | 76 | 56 | 62 | 42 | 78 | 38 | 93 | 52 | 81 | 56 |
| 19 | 78 | 45 | 77 | 47 | 99 | 60 | 70 | 43 | 106 | 66 | 80 | 52 | 59 | 49 | 87 | 56 | ..... | ..... | 77 | 56 | 58 | 42 | 78 | 43 | 90 | 52 | 77 | 60 |
| 20 | 70 | 44 | 67 | 35 | 78 | 60 | 65 | 36 | 106 | 68 | 78 | 50 | 60 | 50 | 82 | 53 | ..... | ..... | 76 | 55 | 56 | 42 | 76 | 37 | 84 | 51 | 77 | 54 |
| 21 | 70 | 50 | 70 | 27 | 92 | 55 | 67 | 32 | 102 | 58 | 81 | 65 | 55 | 46 | 85 | 52 | ..... | ..... | 73 | 56 | 67 | 43 | 77 | 32 | 85 | 48 | 78 | 56 |
| 22 | 86 | 40 | 68 | 39 | 94 | 60 | 71 | 36 | 100 | 57 | 81 | 59 | 57 | 46 | 82 | 52 | ..... | ..... | 71 | 57 | 64 | 43 | 77 | 37 | 86 | 48 | 81 | 55 |
| 23 | 87 | 30 | 78 | 28 | 95 | 59 | 76 | 37 | 99 | 61 | 88 | 68 | 58 | 46 | 89 | 54 | ..... | ..... | 70 | 57 | 73 | 52 | 85 | 39 | 90 | 51 | 88 | 63 |
| 24 | 89 | 43 | 88 | 33 | 100 | 56 | 84 | 40 | 101 | 63 | 98 | 75 | 57 | 52 | 98 | 61 | ..... | ..... | 73 | 56 | 82 | 63 | 90 | 45 | 99 | 52 | 99 | 64 |
| 25 | 90 | 30 | 97 | 39 | 104 | 60 | 94 | 48 | 107 | 66 | 101 | 77 | 57 | 51 | 105 | 67 | ..... | ..... | 75 | 56 | 88 | 72 | 98 | 49 | 106 | 56 | 106 | 70 |
| 26 | 101 | 41 | 97 | 43 | 108 | 60 | 85 | 49 | 111 | 68 | 101 | 78 | 56 | 51 | 107 | 72 | ..... | ..... | 74 | 57 | 84 | 65 | 96 | 52 | 110 | 76 | 104 | 74 |
| 27 | 90 | 32 | 91 | 41 | 100 | 65 | 75 | 45 | 109 | 70 | 89 | 62 | 54 | 50 | 100 | 65 | ..... | ..... | 72 | 57 | 71 | 54 | 90 | 50 | 102 | 64 | 93 | 66 |
| 28 | 85 | 30 | 82 | 36 | 95 | 60 | 70 | 39 | 105 | 74 | 89 | 66 | 56 | 50 | 91 | 59 | ..... | ..... | 71 | 58 | 68 | 49 | 82 | 45 | 95 | 55 | 90 | 63 |
| 29 | 87 | 29 | 83 | 36 | 90 | 60 | 60 | 38 | 101 | 60 | 87 | 61 | 63 | 46 | 85 | 55 | ..... | ..... | 72 | 57 | 61 | 46 | 80 | 44 | 91 | 54 | 86 | 60 |
| 30 | 89 | 29 | 77 | 50 | 90 | 60 | 62 | 40 | 102 | 52 | 83 | 60 | 60 | 54 | 86 | 56 | ..... | ..... | 73 | 56 | 62 | 46 | 77 | 44 | 99 | 53 | 82 | 60 |
| 31 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mns | 82.1 | 49.2 | 81.5 | 38.1 | 97.0 | 60.2 | 73.2 | 41.6 | 103.2 | 64.5 | 86.4 | 62.6 | 57.0 | 49.2 | 90.6 | 57.0 | ..... | ..... | 73.3 | 55.5 | 67.7 | 50.3 | 83.3 | 42.8 | 93.6 | 54.3 | 86.9 | 60.1 |

| Date. | California. | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Redlands. | | Sacramento. | | San Diego. | | San Francisco. | | San José. | | San Luis Obispo. | | Santa Barbara. | | Santa Rosa. | | Sisson. | | Stockton. | | Summit. | | Susanville. | | Yosemite. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 95 | 61 | 88 | 59 | 68 | 58 | 60 | 51 | 80 | 50 | 76 | 51 | 75 | 53 | 83 | 44 | 82 | 42 | 92 | 62 | 79 | 48 | 91 | 52 | 94 | 42 |
| 2 | 83 | 53 | 79 | 53 | 62 | 58 | 57 | 50 | 72 | 51 | 68 | 51 | 65 | 54 | 76 | 40 | 72 | 38 | 80 | 56 | 78 | 42 | 86 | 52 | 93 | 43 |
| 3 | 77 | 55 | 75 | 50 | 66 | 59 | 55 | 48 | 70 | 45 | 66 | 48 | 67 | 49 | 66 | 40 | 75 | 40 | 78 | 52 | 72 | 35 | 83 | 45 | 91 | 41 |
| 4 | 86 | 54 | 74 | 47 | 67 | 58 | 59 | 49 | 66 | 49 | 65 | 49 | 70 | 47 | 69 | 46 | 75 | 44 | 76 | 47 | 72 | 38 | 82 | 48 | 86 | 40 |
| 5 | 84 | 50 | 72 | 49 | 66 | 58 | 57 | 51 | 66 | 43 | 68 | 44 | 68 | 46 | 72 | 38 | 75 | 38 | 68 | 50 | 66 | 40 | 75 | 39 | 80 | 39 |
| 6 | 83 | 48 | 73 | 49 | 67 | 59 | 59 | 50 | 66 | 43 | 66 | 45 | 72 | 47 | 69 | 38 | 75 | 36 | 73 | 49 | 62 | 30 | 75 | 35 | 80 | 38 |
| 7 | 85 | 49 | 79 | 48 | 67 | 60 | 56 | 48 | 73 | 41 | 63 | 43 | 71 | 48 | 72 | 42 | 82 | 34 | 78 | 47 | 66 | 33 | 76 | 41 | 84 | 37 |
| 8 | 91 | 50 | 88 | 51 | 68 | 61 | 63 | 48 | 80 | 49 | 72 | 49 | 70 | 50 | 81 | 43 | 88 | 41 | 80 | 48 | 70 | 38 | 80 | 39 | 86 | 38 |
| 9 | 96 | 51 | 95 | 59 | 70 | 58 | 74 | 50 | 93 | 50 | 78 | 48 | 67 | 52 | 95 | 44 | 85 | 34 | 95 | 50 | 72 | 48 | 89 | 41 | 88 | 39 |
| 10 | 99 | 57 | 76 | 55 | 69 | 60 | 59 | 50 | 72 | 51 | 69 | 51 | 75 | 52 | 77 | 49 | 85 | 34 | 76 | 51 | 75 | 45 | 85 | 42 | 86 | 41 |
| 11 | 95 | 57 | 78 | 52 | 70 | 57 | 67 | 53 | 72 | 51 | 81 | 51 | 76 | 50 | 81 | 55 | 82 | 36 | 80 | 51 | 69 | 38 | 77 | 35 | 84 | 40 |
| 12 | 87 | 51 | 90 | 55 | 68 | 57 | 63 | 51 | 76 | 46 | 75 | 49 | 71 | 48 | 80 | 46 | 80 | 41 | 86 | 56 | 73 | 40 | 79 | 42 | 89 | 39 |
| 13 | 81 | 51 | 71 | 52 | 62 | 58 | 58 | 50 | 64 | 44 | 62 | 49 | 72 | 51 | 77 | 41 | 81 | 40 | 68 | 52 | 74 | 42 | 82 | 46 | 86 | 40 |
| 14 | 66 | 53 | 70 | 50 | 63 | 57 | 59 | 50 | 65 | 49 | 62 | 47 | 73 | 49 | 73 | 48 | 75 | 42 | 68 | 50 | 58 | 34 | 73 | 49 | 84 | 41 |
| 15 | 71 | 53 | 77 | 52 | 63 | 57 | 57 | 49 | 70 | 46 | 65 | 47 | 67 | 49 | 73 | 43 | 82 | 42 | 78 | 51 | 65 | 55 | 85 | 49 | 87 | 41 |
| 16 | 84 | 54 | 80 | 52 | 66 | 58 | 61 | 50 | 71 | 45 | 72 | 51 | 68 | 49 | 79 | 47 | 80 | 43 | 78 | 54 | 64 | 48 | 74 | 52 | 86 | 39 |
| 17 | 96 | 52 | 77 | 48 | 67 | 58 | 58 | 48 | 70 | 41 | 70 | 47 | 70 | 52 | 73 | 38 | 76 | 39 | 77 | 50 | 67 | 45 | 78 | 44 | 88 | 40 |
| 18 | 92 | 53 | 77 | 48 | 69 | 58 | 61 | 50 | 70 | 40 | 69 | 43 | 79 | 52 | 71 | 37 | 68 | 31 | 78 | 48 | 65 | 48 | 77 | 47 | 90 | 41 |
| 19 | 89 | 53 | 75 | 50 | 71 | 56 | 63 | 52 | 72 | 44 | 66 | 46 | 75 | 50 | 74 | 46 | 65 | 30 | 76 | 47 | 62 | 45 | 71 | 47 | 90 | 40 |
| 20 | 90 | 49 | 77 | 46 | 68 | 56 | 64 | 51 | 70 | 42 | 71 | 42 | 72 | 50 | 77 | 37 | 66 | 36 | 77 | 45 | 61 | 38 | 69 | 31 | 89 | 39 |
| 21 | 83 | 48 | 78 | 48 | 64 | 59 | 65 | 50 | 72 | 40 | 68 | 50 | 70 | 48 | 81 | 41 | 67 | 37 | 78 | 50 | 65 | 32 | 72 | 31 | 89 | 39 |
| 22 | 80 | 50 | 77 | 50 | 64 | 58 | 62 | 50 | 69 | 44 | 61 | 48 | 68 | 48 | 80 | 44 | 66 | 35 | 77 | 52 | 62 | 31 | 71 | 40 | 88 | 40 |
| 23 | 79 | 53 | 87 | 53 | 64 | 58 | 65 | 50 | 79 | 44 | 74 | 44 | 70 | 50 | 87 | 46 | 69 | 38 | 86 | 50 | 68 | 35 | 76 | 37 | 90 | 41 |
| 24 | 88 | 50 | 96 | 55 | 65 | 58 | 67 | 51 | 84 | 46 | 86 | 46 | 72 | 48 | 87 | 46 | 75 | 41 | 95 | 56 | 75 | 42 | 78 | 37 | 91 | 41 |
| 25 | 91 | 53 | 100 | 61 | 66 | 59 | 73 | 52 | 92 | 48 | 74 | 47 | 68 | 56 | 93 | 46 | 79 | 44 | 100 | 62 | 78 | 47 | 94 | 40 | 94 | 40 |
| 26 | 95 | 54 | 95 | 59 | 66 | 58 | 62 | 49 | 79 | 50 | 76 | 48 | 68 | 56 | 86 | 47 | 89 | 33 | 95 | 64 | 82 | 51 | 95 | 45 | 92 | 40 |
| 27 | 89 | 56 | 83 | 54 | 63 | 58 | 64 | 49 | 74 | 45 | 71 | 48 | 68 | 55 | 89 | 42 | 73 | 43 | 86 | 57 | 80 | 50 | 86 | 47 | 89 | 39 |
| 28 | 83 | 54 | 82 | 54 | 63 | 58 | 63 | 49 | 72 | 44 | 65 | 43 | 68 | 57 | 82 | 45 | 70 | 42 | 80 | 56 | 78 | 35 | 84 | 45 | 90 | 38 |
| 29 | 80 | 55 | 76 | 52 | 66 | 58 | 61 | 50 | 70 | 48 | 67 | 43 | 69 | 56 | 81 | 44 | 78 | 43 | 73 | 53 | 74 | 38 | 81 | 43 | 89 | 37 |
| 30 | 85 | 50 | 78 | 53 | 66 | 54 | 63 | 50 | 72 | 52 | 70 | 49 | 72 | 50 | 77 | 45 | 80 | 45 | 77 | 54 | 65 | 44 | 81 | 40 | 88 | 39 |
| 31 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Means | 86.1 | 52.6 | 80.8 | 52.1 | 66.1 | 58.0 | 61.8 | 50.0 | 73.4 | 46.0 | 70.0 | 47.4 | 70.5 | 50.8 | 78.7 | 43.6 | 76.5 | 38.7 | 80.3 | 52.3 | 69.9 | 41.2 | 80.2 | 42.7 | 88.0 | 39.7 |

## Climatological Data for June, 1910.

## DISTRICT No. 12, COLUMBIA VALLEY.

EDWARD A. BEALS, District Editor.

### GENERAL SUMMARY.

June, 1910, in the Columbia Valley was a quiet month, with no severe storms nor any wide departures from normal conditions. The rainfall was deficient, which caused unusually low stages in the smaller tributaries of the main rivers, and in some localities a scarcity of water for irrigation and mining purposes. Navigation was suspended in the upper stretches of the Willamette River on account of low water in connection with gravel bars which formed during the high water last winter. The rain that fell came opportunely, and the deficiency was not so noticeable in the agricultural sections as otherwise would have been the case. The temperature extremes covered a wide range as is usual, without being damaging. The very low temperatures all occurred at high elevations, where they are common nearly every month in the year, and the high temperatures were not higher than usual for the month of June.

Outdoor work proceeded without interruption, and crops in general made favorable advancement.

### TEMPERATURE.

The mean temperature, as determined from the records of 223 stations, was 59.8°, which is 0.5° below the average. Over the eastern portion of the district, the mean temperatures were generally above the normal, while elsewhere abnormally low mean temperatures obtained. The greatest departures below the seasonal average were −4.7° in the Yakima Valley of central Washington, −3.8° in southwestern Oregon, −2.5° to −3.5° in western and northwestern Washington, and also in portions of the Snake River Valley. The greatest departures above the normal temperatures were +3.0° and over in Idaho, eastern Oregon, and eastern Montana.

The warmest sections were in the drainage area of the Snake River along the middle portion of its course, where mean temperatures of 65° to 78° occurred, and along the lower course of the Columbia River in central Washington and as far as the mouth of Deschutes River, where the mean temperatures were 60° to 68°. The coolest sections were, as usual, along the coasts, and in the elevated districts of the interior.

There were no really pronounced cold spells, the minimum temperatures were generally recorded during the first three days over the western portion of the district, while in Montana the cold period was prolonged throughout the greater portion of the first decade. Relatively cool weather obtained on the 12th and 13th, and again on the 21st, 22d, 23d, and 24th. Abnormally warm weather obtained quite generally on the 9th and 10th and from the 24th to 26th, while in the extreme eastern portion of the district the latter period was prolonged another day, and other relatively warm spells were the 14th and 15th, as well as the 18th and 19th.

The highest mean temperature was 78.6° at Huntington, Oreg., in the Blue Mountains, on the watershed of the Snake River, at an elevation of 2,110 feet, and the lowest was 45.3° at Musick, Oreg., in the Umpqua River drainage area, at an elevation of 5,000 feet. The highest recorded temperature was 105° at Vale, Oreg., in the Malheur River Basin, at an elevation of 2,450 feet, on the 26th, and the lowest was 20° at Range, Oreg., in the John Day Basin, at an elevation of 3,500 feet, on the 2d, 6th, and 7th.

### PRECIPITATION.

The average precipitation, as determined from the records of 323 stations, was 0.85 inch, which is about 0.50 inch below the normal. The monthly amounts were more than 1.00 inch less than the average in portions of the coast drainage area in northwestern Oregon and northwestern Washington, in the Grande Ronde River Basin in northeastern Oregon, near the headwaters of the Snake River in Idaho, and in the upper valley of the Columbia in eastern Washington, as well as near the headwaters of its branches in Montana. In only a few localities were there excesses of June rainfall and the amounts were generally small. The rainfall was generally quite well distributed throughout the month, and the precipitation, as usual, was heaviest along the slopes of the Cascade Mountains and westward to the coast. Although amounts of 1.00 inch and over fell during the month in portions of central and northeastern Oregon, in northeastern Washington, northern Idaho, and western Montana, there was at the end of the month a general need of more rain in that portion of the district lying east of the Cascade Mountains.

The greatest monthly precipitation was 4.55 inches at Musick, Oreg., on the Umpqua watershed, at an elevation of 5,000 feet, and none occurred at 7 stations in the interior, at elevations between 1,200 and 3,100 feet. The greatest 24-hour rainfall was 2.50 inches at Quiniault, Wash., on the 20th. Other heavy 24-hour falls of 1 inch or over occurred on the 11th at 20 stations, on the 19th at 1 station, and on the 20th at 5 stations, besides the one mentioned above. These stations are all in the Coast, Puget Sound, or the lower Columbia drainage areas.

The snow in the higher elevations was nearly all melted at the end of the month, there being only a small amount left in the less exposed places. This melting took place a month to six weeks earlier than usual, and the flow of water in all interior streams was the average for the season. As a consequence, the flow of water for irrigation purposes in some sections will probably be less than needed, and placer mining is already being hampered by lack of sufficient stream flow.

### THE RIVERS.

May closed with generally falling stages at all river-gaging stations, and the decrease throughout the month of June was, for the most part, quite uniform. The June rains were quite well distributed throughout the district, but the periods of heaviest rainfall occurred near the end of the first and also near the end of the second decade, and though the precipitation, in some instances was comparatively heavy, the excess, or run-off, operated merely to produce a slight rise in the streams for a day or so, when the falling stages recommenced. The highest stages were near the 1st of the month, in most cases occurring on the 1st, while the lowest readings were recorded quite generally on the last day of the month.

*The Columbia.*—The falling stages of the water at the various stations, as noted on the last of May, really marked the end of the annual rise in the Columbia, and the waters continued falling during June. The highest stages occurred quite generally on June 1, though in some instances there was a delay until the 3d or 4th, and the stages registered for several days were approximately the same. The only really rainy period of the month occurred during the second decade, but as the greater portion of the water was absorbed by the soil, there was no marked change in the slowly decreasing stages of the river, and the lowest readings of the month occurred uniformly on the 30th. A 13-year record at Cascade Locks shows two instances where the June stages at that station were lower than that for the present year; at Celilo, with an 8-year record, two lower stages are recorded; at Umatilla, a record of 16 years shows three lower mean stages, and the same number of lower stages are shown at Wenatchee, which has a record for 11 years, while at The Dalles, where records have been kept for 17 years, there have been 4 years when the mean June stages were lower than that of the present June.

As compared with past years' stages, the average for the month was: At Wenatchee, 2.4 feet below the normal; at Umatilla, 3.0 feet below; at Northport, 4.0 feet below; at Vancouver, 4.7 feet below; at The Dalles, 5.0 feet below, and at Cascade Locks, 8.2 feet below. As compared with the height of the water during the preceding month, the mean stage was 1.8 foot lower at Wenatchee, 2.6 feet lower at Umatilla, 3.3 feet lower at Vancouver, and 4.7 feet lower at The Dalles, while at Northport the mean June stage was 0.6 foot higher than that for May.

The river at Vancouver fell steadily from 17.2 feet on the 1st to 10.8 feet on the 30th; at the Dalles it rose from 28.9 feet on the 1st to 29.2 feet on the 3d and 4th, and then fell steadily to 20.3 feet on the 28th, on which date the river gage was destroyed by a boat colliding with the piling to which the gage was attached, the actual stage on June 30 was approximately 19.5 feet; at Umatilla the river was about stationary during the first 4 days of the month at a stage of 17.8 feet, but from the 5th to the close of the month there was an uninterrupted fall, the reading on the 30th being 12.9 feet; at Wenatchee there was a fall from 33.8 feet on the 1st to 27.2 feet on the 30th; and at Northport, the fall was from 22.6 on the 1st to 16.8 on the 30th.

Navigation on the Columbia was not interrupted during the month.

*The Snake.*—The mean of the daily stages at the several stations for the month averaged 4.5 feet below that for May, and it was 4.0 feet below the normal for June. The water was highest from the 2d to the 4th, and the lowest on the 30th. At Lewiston the river fell from 11.0 feet on the 1st to 3.4 feet on the 30th; at Weiser there was a slight rise from 7.5 feet on the 1st to 7.9 feet on the 4th, and then a gradual fall to 2.2 feet on the 30th; at Riparia, a rise from 10.2 feet on the 1st to 10.9 feet on the 2d and 3d was followed by falling stages, reaching a reading of 4.4 feet on the 30th. Navigation was not impeded, the regular weekly boat service to Asotin, Wash., which is 6 miles above Lewiston, being maintained throughout the month, and on June 9 a trip was made to the mouth of the Grande Ronde River, 38 miles above Lewiston. The boat service on the Snake River was, however, discontinued on June 30, owing to the low stage of the water, the gage reading at Lewiston on that date being 3.4 feet.

*The Willamette.*—This river continued to fall throughout June, the highest stages occurring on the 1st, and the lowest generally from the 28th to the 30th. At stations on tributary streams the highest water occurred between the 1st and the 12th, and at Estacada on the Clackamas River, the lowest reading occurred on the 15th, 27th, and 29th. The mean stage of the Willamette ranged between a normal stage at Wilsonville and 3.7 feet below normal at Portland, and was 2.1 feet below normal at Salem, and 1.6 foot below at Albany. The June mean stages at all stations were uniformly lower than those for the preceding month, being 1.3 foot lower at Eugene, 1.5 foot lower at Albany, 1.7 foot lower at Salem, and 3.3 feet lower at Portland. The great difference that appears at Portland was probably due to the high May stage which was caused by backwater from the Columbia.

At Eugene the fall from the 1st to the 30th was so gradual that, generally, it could not be readily measured, and the record shows 4 feet from the 1st to the 5th, inclusive, 3.6 feet on the 6th, and 3.0 feet for the remainder of the month. At Albany there was a steady fall from 2.3 feet on the 1st to 1.6 foot on the last 3 days of the month. At Salem, a stage of 1.5 foot on the 1st and 2d decreased to 0.6 foot on the 29th and 30th. At Wilsonville, there was a steady fall from 3.7 feet on the 1st to 2.1 feet on the 29th, a rise to 2.9 feet being recorded on the 30th, and at Portland, the fall was from 16.7 feet, which is 1.7 foot above flood stage, on the 1st to 10.4 feet, or 4.6 feet below the flood stage, on the 30th. On account of the low water and gravel bars, navigation was not possible above the mouth of the Yamhill River, but regular trips were made throughout the month to Newberg, which is a few miles below that point.

REPORTS OF STAGES OF STREAMS IN MONTANA DURING JUNE, AND THE PROSPECTIVE FLOW OF WATER FOR THE REMAINDER OF THE SEASON.

*Missoula watershed*—Bison Mountain: The Little Blackfoot is very much lower than usual. The snow in the mountains has all disappeared, the drifts having melted a month to 6 weeks earlier than usual. Bald Butte: There is less snow in the high mountains than for many years at this season. Hat Creek: There is no snow left in this locality, and the flow of water in the streams is now much below the average. The hay crop will be cut short on account of lack of water for irrigation. Ophir: Placer mining has been hampered by the shortage of water in the streams, the flow of which miners report to be less than half the average. No snow remains in places where it usually lasts till the latter part of July.

*Bitterroot watershed.*—Darby: The Bitterroot River is as low as it usually is at the beginning of August. There has been no shortage of water for irrigation up to the present time, but the supply for July and August will be largely dependent on rains. There is still some snow in the higher mountains, but there are fewer drifts than usual at the close of June. Sula: The East Fork is lower than usual at the close of June. The snow has melted earlier than usual in most places, but there are still some drifts remaining at high elevations in the Bitterroot Mountains.

*Clarks Fork watershed.*—The water is as low as it usually is a month later. The snow, except drifts, melted earlier than heretofore, and very little remained in the mountains at the end of June. Saltese: The St. Regis River is unusually low. The snow in the Bitterroot Mountains melted earlier than usual, and there will be a shortage of water during July and August. Noxon: The flow of water in Bull River was near the average during June. There are still some deep snow drifts on the north slopes, but the indications are for low water the remainder of the season.

*Kootenai watershed.*—Snowshoe: There is still some snow in the drainage basins of Snowshoe and Libby creeks, but the stage of water is lower than usual for June.—*R. F. Young, Section Director.*

MISCELLANEOUS PHENOMENA.

The prevailing winds were from the west. The amount of sunshine was nearly normal, except at Seattle, where there was a considerable deficiency. The percentage of possible sunshine was 75 at Spokane, 43 at Seattle, and 56 at Portland. Frosts were general in the interior during the early part of the month, serious damage to the apple crop resulting at a few places. Thunderstorms were of frequent occurrence and were reported generally on the 5th, 6th, 19th, and 20th. Several places suffered from hailstorms, that at Dufur, Oreg., on the 20th, which seriously damaged the apples over a wide area, being the severest. Sleet was reported at Ophir, Mont., on the 8th. Solar halos were observed on the 5th, 10th, 12th, and 25th, and in some places on other dates. An unusually severe sand storm occurred at The Dalles, Oreg., on the 11th. The highest wind was reported from North Head, Wash., where a maximum of 62 miles per hour from the southeast was reached on the 20th.

## AVALANCHES IN THE CASCADES AND NORTHERN ROCKY MOUNTAINS DURING WINTER OF 1909-10.

By EDWARD A. BEALS, District Forecaster.

For a week beginning February 25 and ending March 3, 1910, there were a great many avalanches in the Cascade and northern Rocky mountains. Avalanches in these mountains are of common occurrence every year, but this year there were more than ever before known, and not only were they heavier and more frequent in places where they occur every year, but in places

where none had ever occurred before there were many large and destructive ones.

Through the cooperaton of the section directors and their correspondents in Washington, Idaho, and Montana, details regarding 36 avalanches, commonly known as slides, have been collected, and in addition some valuable information has been furnished the district editor regarding the behavior of slides by persons familiar with their characteristics. (See Table 1.)

It is seldom that avalanches in this district cause loss of life or damage property, except that once in a while a miner, prospector, or trapper living high up in the mountains is killed or has his cabin destroyed, and as these casualities happen in such remote regions they are seldom reported to the press and but little is known about them. This year, however, avalanches caused the loss of over 100 lives and destroyed several hundred thousand dollars' worth of property. The most destructive avalanche was the one at Wellington, Wash., at 1:45 a. m., on March 1, 1910. It swept 2 trains, 3 large locomotives, 4 powerful electric motors, the depot, and a water tank off a ledge and into a canyon 150 feet below.

Other slides occurring at about the same time, both to the east and to the west of this one, made it impossible to quickly get adequate help and wrecking appliances on the ground and it was nearly 2 weeks before all the bodies were recovered. The exact number of lives lost is not known, but 87 bodies were recovered and it is believed a few have not yet been found.

TABLE 1.—*Description of 36 avalanches in the Coast, Cascade, and northern Rocky mountains, winter of 1909–10.*

| Number. | Place. | Date. | Time. | Character of country. | Slope. | Number killed. | Property loss. | Slide or roll. | Debris. | Cause. | Remarks. | Reporters. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **WASHINGTON.—CASCADE RANGE.** | | | | | | | | | | | | |
| 1 | Entiat Valley (T. 27 N., R. 19 E.). | Feb. 18 | 12 noon... | ..... | w. | 0 | $50 | ..... | Mostly snow... | ..... | Came down an old slide..... | E. McCrea. |
| 2 | Wellington..... | Mar. 1 | 1:45 a. m. | Burned over. Numerous dead snags. | se. | 87* | 300,000 | Slide... | Some green timber near bottom destroyed.. | Heavy snowfall, followed by rain. | Two Great Northern Railway trains swept from track. Crushing power due to weight rather than velocity. Length, 1,200 feet. | J. Maloney. A. B. Hensel. J. V. Presser. |
| 3 | Bern, No. 1..... | Feb. 27 | 4:00 a. m. | Severely burned off. Seedlings 6 feet high. | n. | 0 | ..... | Slide... | Logs and dead saplings. | Heavy snow on crusted layer beneath. | Slides occurred at intervals for 4 days. Chinook winds during this time. | H. B. Smith. |
| 4 | Bern, No. 2..... | (About) Mar. 2 | ..... | Severely burned off. Seedlings 6 feet high. | n. | 0 | ..... | Slide... | Enormous quantity of logs and dead saplings. | Rotary plough going through first slide thought to have caused the second. | A big slide. Eighty feet of snow in one place on the Great Northern Railway track. | H. B. Smith. |
| | Merritt (near)..... | Feb 25 | 5:00 p. m. | Wooded and open. | s. | 0 | ..... | Slide... | Covered 10 acres. | Heavy snow on crusted layer beneath. | Cut down about 10 acres of standing timber. | H. B. Smith. |
| 6 | Cascade Tunnel (East). | Feb. 25 | 4:00 a. m. | Wooded..... | n. | 2 | ..... | Slide... | Large amount of big timber | Heavy snow on crusted layer beneath. | Nearly all large timber in path destroyed. | H. B. Smith. |
| 7 | Gaynor, No. 1..... | Feb. 26 | 3:00 p. m. | Bare canyon..... | s. | 0 | ..... | Rolling | Some green timber. | ..... | Had sufficient force to cross canyon 75 feet deep, and more, onto railroad track beyond. About 2 miles long Started high in canyon. | H. B. Smith. |
| 8 | Gaynor, No. 2..... | Feb. 27 | ..... | Bare canyon ..... | s. | 0 | ..... | Slide... | Small amount of green timber destroyed | Rotary boring through the first slide. | ..... | H. B. Smith. |
| 9 | Drury..... | Mar. 1 | 2:00 a. m. | Abrupt and rocky; some timber. | s. | 1 | ..... | Slide... | ..... | Heavy snow on crusted layer beneath. | Thunderstorm, with rain and snow, occurred just before and during slide. | H. B. Smith. |
| 10 | Wellington. 2½ miles west). | Mar. 13 | Night .... | ..... | ..... | 1 | ..... | Slide... | ..... | ..... | Several people injured..... | J. Maloney. |
| 11 | Telma (T. 28 N., R. 16 E.). | Feb. 25 | 4:00 p. m. | Open and rocky, except a few trees at foot of hill. | sw. | 0 | 500 | Slide... | ..... | Slope where slide started 45°. Heavy fall of rain and snow. | 300 feet wide and 20 feet deep. Slid into valley a distance of 650 feet. | R. J. Huston. |
| 12 | Katches, No. 1 (Sec. 33, T. 21 N., R. 13 E.). | Feb. 27 | ..... | Open..... | ..... | 0 | ..... | Rolling | Snow and rocks. | Rain melting the snow | 300 feet wide, down a rocky mountain into a little lake. | H. A. Shandy. |
| 13 | Katches, No. 2 (Sec. 8, T. 21 N., R., 13 E.). | Feb. 26 | 1:30 p. m. | Open and steep to within 500 feet of lake then timbered. | s. | 0 | ..... | Slide... | Trees, rocks, and snow. | Rain causing snow to melt next to loose rocks. | At starting place about 200 feet in width. All debris was dumped into lake. | H. A. Shandy. |
| 14 | American River Yakima Co. | Mar. 12 | ..... | Heavily timbered. | s. | 0 | ..... | Slide... | Trees and boulders. | Heavy fall of snow in in short period, followed by a continued rain. | Slide about one-half mile in length. Large amount of timber destroyed. | J.W.Anderson. |
| 15 | Roslyn (coal mine) | Mar. 1 | 4:00 a. m. | Wooded ..... | n. | 1 | ..... | Slide... | ..... | There was a fall of 14 feet of snow, after which chinook wind and rain set in. | The first snow slide on record for 20 years. | G. Kappen. |
| 16 | Hoodsport (Sec. 12, T. 22 N., R. 4 W., W. M. | Nov 28 | 6:30 p. m. | Open. Some brush. | se. | 0 | 500 | Slide... | Earth and logs washed away by ocean. | Heavy rains softened ground. | One person seriously injured. One dwelling, woodshed and other outbuildings destroyed. | Fred Hanson. |
| **IDAHO.—ROCKY MOUNTAINS.** | | | | | | | | | | | | |
| 1 | Mace..... | Feb. 27 | 11:10 p. m. | Steep hillside. Partly opened and partly wooded. | se. | 12 | $12,000 | Rolling | Rocks, snow, and timber. | Probably high wind broke off and started overhanging snow. | 10 to 40 feet deep and 1,200 feet long, 400 feet wide. Violent winds preceded the slide by a distance of 100 feet. | L. H. Hayes. W. J. Hall. W. G. Weigle. |
| 2 | Burke..... | Feb. 28 | 4:30 a. m. | Rather wide, draw partly open and partly wooded. | se. | 5 | ..... | Rolling | Rocks, snow, and timber. | Probably high winds broke off and started overhanging snow. | 10 to 25 feet deep, 300 feet long, 200 feet wide. Violent wind rush preceded the slide. | L. H. Hays. W. J. Hall. |
| 3 | Bear Gulch, 7 miles northeast of Murray. | Feb. 27 | Between 10 and 12 p. m. | Hills burned over, leaving them quite bare. | n. | 0 | ..... | Slide... | Rocks, snow, and timber. | About 18 feet of very light snow falling; afterwards about 1 foot of heavy snow fell on top of the light snow, which was followed by heavy rains. | Killed 5 head of horses and demolished the barns. | W. Keister. |
| 4 | Parogan Mine..... | Feb. 27 | Between 10 and 12 p. m. | Timber quite thick. | n. | 0 | ..... | Slide... | Rocks, snow, and timber. | | Took away the shaft house and killed 2 head of horses. | W. Keister. |
| 5 | Seedar Creek Mine. (Granite Gulch.) | Feb. 27 | Between 10 and 12 p. m. | Timber quite thick. | w. | 0 | ..... | Slide... | Rocks, snow, and timber. | | Took away the compressor building. | W. Keister. |
| 6 | Meadows..... | ..... | 3:00 p. m. | Wooded..... | se. | 0 | 75 | Rolling | 5,000 tons..... | Snow falling off trees. | Weather mild at time of slide.. | E. E. Clark. |
| 7 | Little Camas..... | Jan. 5 | ..... | Few trees..... | sw. | 0 | 50 | Slide... | All snow..... | Melting of heavy snow coating. | No property damage..... | |

*87 bodies recovered; probably others not yet found. †See Mr. Weigle's report.

TABLE 1.—*Description of 36 avalanches in the Coast, Cascade, and northern Rocky mountains, winter of 1909–10*—Continued.

MONTANA.—ROCKY MOUNTAINS.

| | Place. | Date. | Time. | Character of country. | Slope. | Number killed. | Property loss. | Slide or roll. | Debris. | Cause. | Remarks. | Reporters. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Saltese (1½ miles northeast). | Feb. 26 | 9:00 p. m. | Mountain bare; timber at base. | s. | 0 | Small... | Slide... | Snow and broken trees. | Heavy snow and 24 hours of rain. | Occurred on spur of Bitter Root Mountains known as Meadow Mountain. | E. K. Tarbox. |
| 2 | Saltese (2½ miles northeast). | Feb. 26 | Night..... | Mountain bare; timber at base. | s. | 0 | Small... | Slide... | Snow and broken trees. | Heavy snow and 24 hours of rain. | | |
| 3 | Passing track near Highgate. | Feb. 23 | Noon..... | Sparsely timbered. | w. | 0 | Delayed traffic. | ..... | Clear snow..... | | 200 feet long, 12 feet deep on railroad tracks. | G. T. Van. |
| 4 | Java (1 mile east). | Feb. 23 | 3:00 p. m. | Sparsely timbered. Dead and down timber. | w. | 0 | $50 | ..... | Snow and timber; very little earth and rock. | Old snow thawed, then froze, new snow fell and slid easily. | 500 feet long, 15 feet deep.... | G. D. Eddy. |
| 5 | Fielding (1 mile west.). | Feb. 27 | Noon..... | Sparsely timbered. Dead and down timber. | w. | 0 | Delayed traffic. | ..... | Snow. Not much timber | | 1,500 feet long; 5 feet deep.... | G. D. Eddy. |
| 6 | Highgate (4 miles east.). | Mar. 3 | 4:00 p. m. | Sparsely timbered. | w. | 0 | Delayed traffic. | ..... | Snow..... | | 100 feet long, 3 feet deep..... | G. D. Eddy. |
| 7 | Highgate (¼ mile west.). | Feb. 27 | 1:30 a. m. | Timbered..... | w. | 0 | ..... | ..... | Snow and trees | Heavy fall of new snow on top of old snow which was crusted over. | 800 feet long; ¼ mile wide, 10 to 25 feet deep. | G. T. Van. |
| 8 | Highgate siding.... | Feb. 27 | 12:15 a. m. | Partly timbered.. | w. | 0 | ..... | ..... | Snow and trees | Heavy fall of new snow which slipped over old crusted snow. | 900 feet long, ¼ mile wide, 10 to 20 feet deep. | G. T. Van. |
| 9 | Adair (¼ mile, southwest.). | Feb. 26 | 2:00 p. m. | Bare, except few dead trees. | w. | 3 | ..... | ..... | Mostly snow, few trees. | Weight of snow on slope. | 150 feet long, 50 feet wide, 20 feet deep. | O. Miller. |
| 10 | Drexel (1 mile, west.). | Feb 27 | Unknown. | Bare at top, timbered at base. | e. | 0 | Delayed traffic. | ..... | Snow and trees | Weight of snow on slope. | 350 feet long, 70 feet deep, 300 feet wide. | O. Miller. |
| 11 | Drexel (¼ mile west.). | Feb. 4 | Day..... | Burnt timber.... | n. | 0 | ..... | ..... | Snow and dead timber. | Heavy snow, followed by thawing weather. | ¼ mile long, 150 feet wide, from 40 to 100 feet deep. | |

OREGON.—BLUE MOUNTAINS.

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Cornucopia..... | Feb. 24 | 11:30 a. m. | Wooded..... | s. | 1 | $500 | ..... | ..... | About 4 inches of new and light snow settled during thawing weather and became heavy. | Incline of slope about 25°..... | L. Panter. L. G. Morgan. |
| 2 | Red Mountain..... | Mar. 2 | ..... | Steep, rough and barren. | s. | 0 | ..... | Part rolling. | ..... | Rain made the snow exceedingly heavy and it slid. | 25 feet deep at bottom..... | L. Panter. |

The loss to the railway company was not far from $300,000 in equipment, and suits have been entered for personal damages by the survivors and by the relatives of those who lost their lives.

Next to the Wellington avalanche in destructiveness was the one at Mace, Idaho, at 11:10 p. m., on February 27, 1910. This slide traveled about a mile from the top of the mountain to the base of the canyon just below the town. It left a pile of snow and débris 300 feet wide, 800 feet long, and between 20 and 40 feet deep. Fourteen houses were completely wrecked and 12 lives were lost. On the following day a smaller slide came down the canyon above the town of Burke, Idaho, which is only three-quarters of a mile east of Mace, and wrecked several buildings and killed 5 persons. Several lives were lost in other slides in Washington, Idaho, and Montana, and one was lost in Oregon, making a total so far as can be determined of 113 in all.

For the reason that there are more people living in valleys having railroads running through them than in the wild and mountainous sections where avalanches were most numerous, the descriptions obtained were mostly of avalanches occurring along the line of the railroads traversing the mountain passes. A few reports were received from the miners and others living well up in the mountains, but on account of the great number of avalanches occurring in these places the writers did not attempt to describe individual slides, but only gave information regarding their general characteristics. From these reports it is judged that between February 24, and March 3, 1910, the snow slid to a greater or less degree in the steep canyons of the mountains in this district and that there were thousands of avalanches, many of which would rival in magnitude the largest of those described in the list appearing in the tables.

Avalanches in the Rocky and Cascade mountains are seldom destructive, except when the snow is wet and heavy. It is true that dry snow sometimes falls from cliffs and ridges where it is blown by the winds into overhanging masses and it comes tumbling and rolling down steep declivities to the valleys below. These avalanches raise great clouds of dry snow and it is possible that persons have been caught in them and smothered to death, but the writer does not know of any such cases. The winds preceding and accompanying these rolling masses of dry snow often attain great violence, but avalanches of this class seldom have sufficient weight to move boulders or to injure forests.

The dangerous avalanches are the sliding masses of wet snow and they may move fast or slow, and come from great distances or have but short paths. Their destructiveness depends upon their momentum, which is usually sufficient to sweep everything before them.

It was not the quantity of snow alone which fell this year that caused so many avalanches, but it was the manner in which it fell, and many of the people most familair with these phenomena knew a day or two before they occurred that slides were inevitable, and had they not sought places of safety more lives would have been lost than there were under the existing conditions.

During the first 12 days of January the weather was unusually cold and the snowfall was rather heavy, especially on the windward slopes of the mountains. This spell of cold weather was followed by milder conditions, and on the 22d of the month thawing weather set in that extended nearly to the summits of the mountains having altitudes of about 7,000 feet. Some slides occurred at this time but there was nothing unusual about them and they attracted little attention. Following this short spell of thawing weather it became much colder, the old snow crusted over and it almost reached the consistency of ice on nearly all the high mountain slopes. The snowfall during the forepart of February was quite heavy, but on account of the prevailing cold weather its consistency was light, being either fleecy or granular. It was blown into great drifts in the canyons and overhung the crags and ridges at the

summits of the mountain ranges, but it was too light to cause avalanches, and none occurred.

On the morning of February 23 a low pressure area made its appearance off the Washington coast, which was attended by milder weather, high winds, and a heavy fall of snow in the mountains. It was three days in passing from the coast to the eastern side of the Rocky Mountains, and during this time the snow accumulated in large quantities at the heads of the canyons. Numerous avalanches occurred during this storm, but they mostly came down in places where the snow slides every year and there was nothing unusual about them.

The storm of February 23 had barely crossed the mountains when another low pressure area made its appearance on the north Pacific coast, and it was quickly followed by a third disturbance. It took each of these storms two days to move to Alberta and they all followed nearly the same track.

The last two storms caused high winds and also heavy rains that extended well up the slopes of the mountains, while at the summits the precipitation was mostly snow which was very moist and heavy. In fact, as a result of these two storms all the recent falls of snow became soaked with moisture, while underneath was a layer of old snow having less moisture and beneath this was the first snow which had almost the consistency of ice, conditions that were ideal for the occurrence of avalanches.

FIG. 1.—Mace, Idaho, avalanche showing near view house wrecked by the avalanche. It shows the remarkable force of snow which crushed alike dishes, stoves, and heavy furniture. Snow in many places completely filled the wrecked houses and the people inside were smothered to death. No. 1 (Idaho), Table No. 1. Photographed by R. W. French, Spokane, Wash. Furnished by Local Forecaster Charles Stewart, Spokane, Wash.

There is a difference of opinion as to what causes the slides to start, as few people have ever witnessed the beginning of an avalanche from a point sufficiently close to make reliable observations. We know that wet snow on the sloping roof of a building often slides off in great quantities whenever it has become thoroughly soaked with moisture and the water has wet the surface of the roof so as to make it slippery. The water acts as a lubricant and the snow slides when the point is reached where the inertia is overcome by the pull of gravity. There need be no jar to cause the movement, although a sudden jolt would cause premature action by disturbing the adhesiveness of the snow to the roof. It is very likely the same action takes place on a larger scale with avalanches. They begin to slide when the mass increases in weight to the point of becoming unstable and the action is premature when a jar occurs such as takes place when overhanging snow drifts come tumbling down from some steep crag or eminence and strike a field of snow approaching unstable equilibrium. The concussion starts the avalanche and it comes down as a slide, except the small portion from the overhanging drift which comes tumbling and rolling down for a shorter or greater distance according to the steepness of the slope.

FIG. 2.—Burke, Idaho, avalanche showing tail end of slide and the wreckage deposited there. This slide, although comparatively small, killed 5 people. No. 2 (Idaho), Table No. 1. Photographed by R. W. French, Spokane, Wash. Furnished by Local Forecaster Charles Stewart, Spokane, Wash.

Among the many very intelligent reports received from persons living where avalanches are of frequent occurrence and who are thoroughly familiar with their behavior is one from Mr. H. B. Smith, Postmaster at Merritt, Wash., who says:

During my 15 years of residence in the mountains I have become very familiar with slides and I am in a position to speak on the subject better than a casual observer. There is only one cause for snow slides. In the first place there are no slides known to occur with the first fall of snow in the beginning of winter, no matter how much may fall, except in very steep places or from cliffs, and those slides are harmless to trees and small timber. It is only after the snow gets packed hard and is crusted that we get the big slides that are so dangerous to everything in their tracks.

These big slides are caused by an unusually heavy snowfall on the top of a packed or crusted layer which forms a hard and slick surface for the new snow to slide on, or in other words, the old snow under the new acts like a tin roof on a house, and these conditions caused the heavy snow slides we had this winter. It snowed nearly 6 feet here at one time and I am advised that near the Cascade Tunnel, and at Wellington, the snowfall was nearly 11 feet. Now this enormous weight of snow resting on a smooth surface, which in some places was at an angle of 50°, was bound to slide.

I have, however, observed that where most of the big slides occurred the large trees were nearly all rotten, having been killed by fires which raged through the mountains here a few years ago, caused more or less by the carelessness of the railroad company, and unless young trees are planted (and such trees should be planted from the very top down to the valleys otherwise they will offer no resistance), we will always have a recurrence of these slides under the same weather conditions, with the exception that it will not take quite so much snow to start them as it did last winter.

Take the Wellington slide, for instance, it would not have happened under ordinary conditions; the timber was all dead, killed by fires, on the slope where the slide started. I can show you places where the slopes are much longer and steeper than at Wellington and where the snow slipped in places but was checked by live trees standing all along the slope.

Mr. A. E. Riter, living at Snowshoe, Mont., is another close observer, who writes very intelligently regarding the conditions causing avalanches in the Cabinet Range of Mountains. He remarks as follows:

This place is situated within a mile and a half of the main backbone of the Cabinet Mountains, which near here are very steep. Slides occur here every winter, but they have usually confined themselves to certain places such as small draws and gullies, but during the period under discussion they came not only heavier and larger in those places, but in many other places as well. In fact it was practically all a solid slide for two and one-half miles on both sides of this gulch, although this did not all come at once. In many places it slid several times. Slides as extensive as these have never before been known either at this particular place or in the entire Cabinet Range. Buildings that stood for 12 or 15 years or more, never having been touched by slides before, were destroyed.

A snowfall of a little over 8 inches occurred on February 20 and 21, with quite low temperatures. Again when it started snowing on the 22d, it was with a very low temperature. The heavier snow that came with the rising

temperature of the 23d and 24th became too much for the layer of lighter snow underneath to support, this latter acted almost like a roller bearing in starting the movement. This is my idea of the starting of the slides in my particular place. Once a slide has occurred, it was easy with the continued falling of heavy snow, for a repetition to occur in the smooth path formed. They occurred in places where they never did before, and at some of these places not until the latter part of the period mentioned, thus showing how unusual the conditions were. The ever increasing weight simply became too much for the steep mountain sides to hold. At many points slides occurred several times, and the later ones naturally traveled farther and had more force than the first one.

The country about here is generally wooded; that is, it originally was entirely and probably heavily so, but now there are some bare spots where the timber has been destroyed in various ways, mostly by fires, and there are many places where the land is only covered with burned and dead timber. Our slides occurred only at the heads of gulches, close to the main backbone of the range where the mountains are very precipitous and rocky, and a majority of them start where the snow lays on bare rocks. After they are once started they will travel over any kind of ground. During the time these slides were coming down I did not observe that it made any difference as to the direction in which the slope faced; there may be a difference on opposite sides of a range of mountains, but there is none on opposite sides of a gulch.

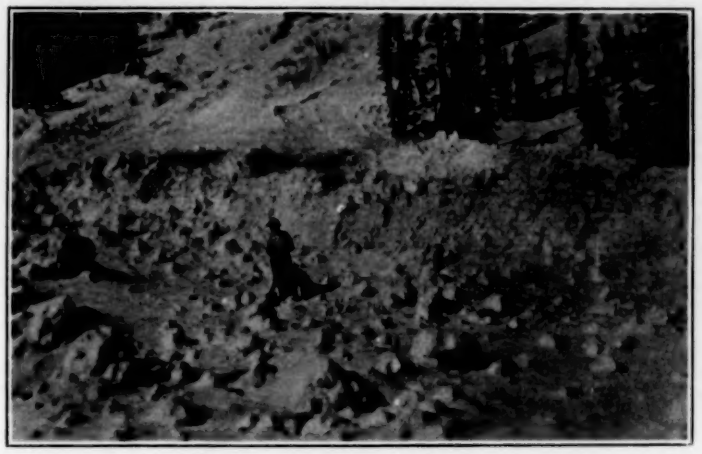


FIG. 3.—Avalanche near Snowshoe, Mont., February, 1910. This view shows the snow that was pushed out sideways at the foot of a slide by a rolling motion of portions of the mass. Photograph furnished by Mr. A. E. Riter, Mountain Snowfall Observer, Showshoe, Mont.

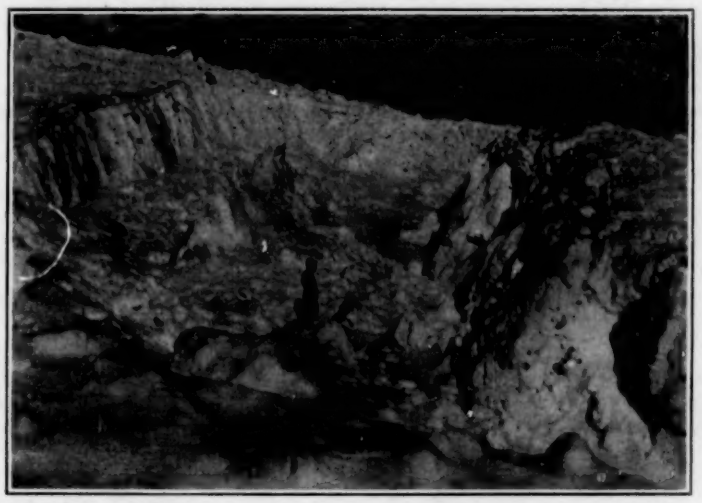


FIG. 4.—Avalanche near Snowshoe, Mont., February, 1910. View shows how the mass of snow on the right has broken away and slid farther than the main body of the slide This division formed a gulley where the man is standing about 40 feet wide and 15 or 20 feet deep. The movement of the slide was from left to right in the picture and the background is practically all an avalanche. Photograph furnished by Mr. A. E. Riter, Mountain Snowfall Observer, Snowshoe, Mont.

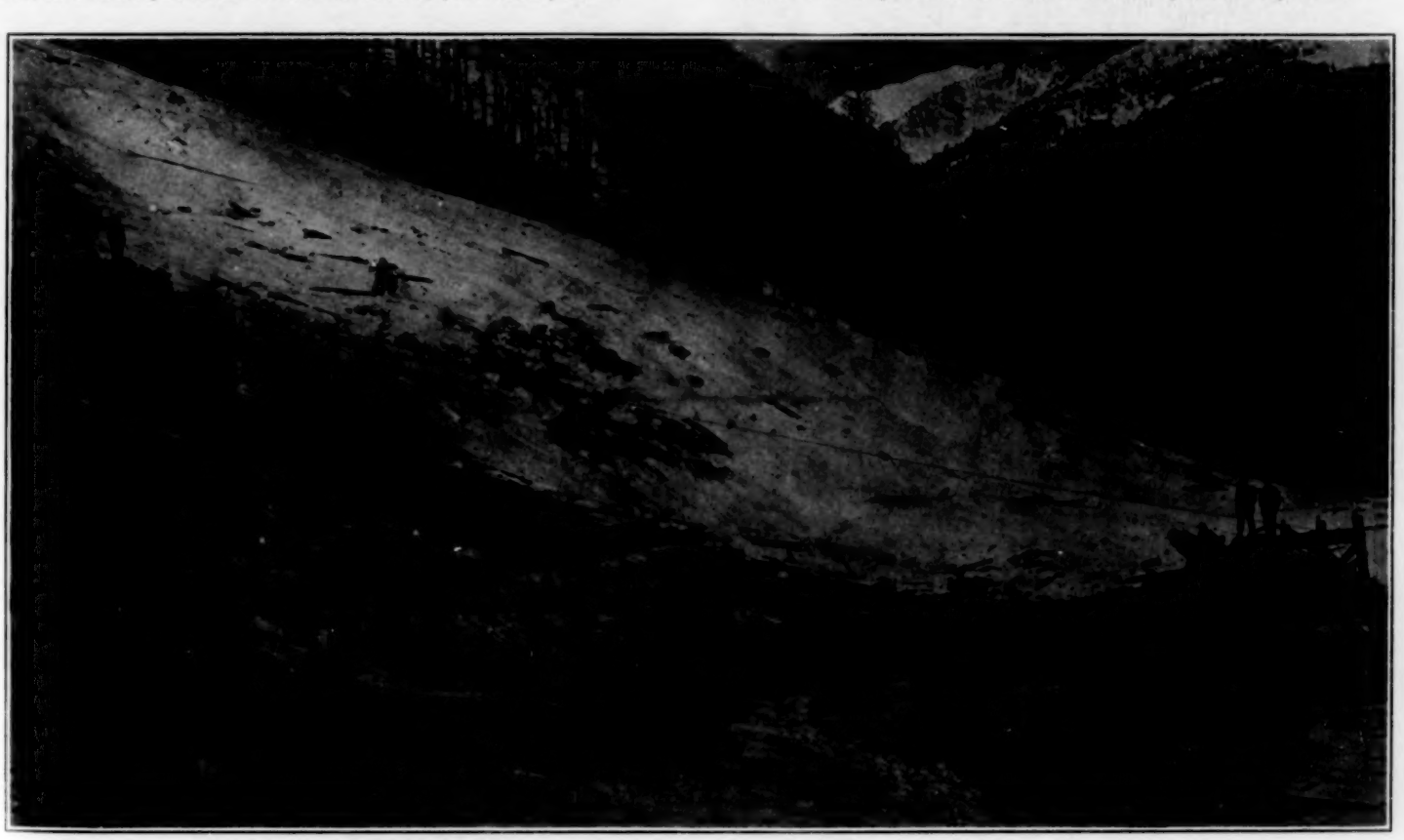


FIG. 5.—Ruins of the American Kootenai Mining Company's stamp mill wrecked by an avalanche on February 27, 1910. On the extreme left can be seen stamps still standing, which is all that is left of the mill. Picture was taken a month after the avalanche occurred and for this reason only is débris visible. Photograph furnished by Mr. A. E. Riter, Mountain Snowfall Observer, Snowshoe, Mont.

The first slides occurred during the forenoon of February 24 and they continued at intervals, doing a limited amount of damage, until the morning of the 25th. There was then a let up until the night of the 26th when they started again and continued until the morning of February 28. It was during the night of the 27th that they were the worst, coming the heaviest and in the greatest number. One building was struck 3 times by slides from the same place before it was completely demolished.

It is not possible to give much of a description of the wind rush attending slides, as a person close enough would perhaps not be able to stand up against it. We had windows broken in buildings that were 100 or 150 feet from a slide; that is, the building was in a line with the slide but beyond it. The panes of glass were not large, being about 12 inches by 14 inches in size. Alongside of and close to slides trees were broken off 15 and 20 feet above the surface of the slide, and there were limbs on the trees below the breaks showing the breaks must have been caused by the wind and not by the slide itself. Green trees more than a foot through at the point of breakage have been observed by myself, and there may be others larger. Limbs and twigs were carried considerable distances to the side and beyond the slides.

The noise I can only describe as a heavy roar, very much like the noise produced by a high wind, but having a heavier sound; that is, one can tell that it is something more substantial than wind that is making the noise. Where the slide travels through any timber with enough force to break it, it is attended by the crackling noise of trees and limbs breaking.

I think the slides start at the top with a rolling motion, although of this I have no proof, but after they once start the motion is principally sliding, although there will be parts that have a rolling motion. This rolling motion, however, is decidedly of a secondary nature. As they get toward the bottom where the ground is flatter, gullies will be cut in the surface of the slides by certain masses of snow that appear to have more force and motion than other parts. I have seen these gullies as much as 20 feet deep.

I have learned by digging into slides that trees, logs, limbs, and twigs are scattered through their entire mass; in some places so thickly that it is very difficult to work with a shovel. With the warm weather that has prevailed since the slides, resulting in the snow either settling or thawing to the extent of 2 or 3 feet, twigs and limbs have shown up in many slides to such an extent as to cover the surface entirely; this in places where there is probably anywhere from 10 to 25 or more feet of snow left on the ground.

At one point on the northeast slope of this range a 10-stamp mill was destroyed. Nearby a couple of boarding and bunk houses were destroyed. These buildings were about 20 or 25 miles south of Snowshoe in what is known as the West Fisher Mining District at the headwaters of the Fisher River. I have estimated this damage at $25,000. At Snowshoe a total of 14 buildings, mostly small, were demolished. These consisted of a boarding house, bunk houses, warehouse, and several small residences; the total damage to which I have estimated at $7,500, and this is conservative. Outside of these losses it is probable that a large number of log cabins throughout the mountains belonging to prospectors, trappers, and others have been destroyed, but no estimate of the number can be made. No persons were killed or injured, owing to the fact of there being so very few people in the mountains, especially at this season of the year.

When an avalanche comes down a wooded slope and sweeps clean all the big trees in its path, as was the case with a number of those this year, it is self-evident that no slide of a similar character had come down the same canyon before in many years, or there would have been no trees there to have been swept away. The question of planting trees to prevent the slides from starting, however, is another matter, but after they have once started, neither trees nor large boulders can stop them. The place to plant the trees is at the heads of the canyons, but here the soil is generally too thin to enable the trees to make any growth. In Switzerland where avalanches are also of common occurrence, efforts have been made to ameliorate the conditions by building stout embankments in places where they frequently start, or stout posts are placed as thickly as may be necessary in these localities. In some places high walls have been built with jutting angles so as to divert the snow torrent away from the inhabited sections below. Also in Europe the plan has been tried of leaving unmown grass in the canyons in the hopes that the blades when frozen would serve as pegs to prevent the mass from sliding, but the writer does not imagine this plan to be very feasible, especially under the conditions that prevailed last winter when the first falls of snow would have covered the pegs of grass and the top of this snow was crusted or frozen so as to make a slippery surface for the succeeding falls of snow to slide on.

Mr. John Maloney, in his report on slide No. 2, in Washington, stated that the Great Northern Railway track, except where protected by snowsheds, was buried in snow for a distance of 4 miles west of Wellington. It is very likely a form of snowshed could be devised which would protect the track of a railroad from ordinary slides, but it is hardly possible to provide for so many avalanches as were noted this year, especially when such a large proportion of them came down in places where slides were never before known to have occurred.

One of the clearest descriptions received regarding the course taken by a slide was from Mr. W. G. Weigle, Forest Supervisor, Coeur d'Alene National Forest, with headquarters at Wallace, Idaho. In referring to the Mace avalanche (Idaho, No. 1), he states:

This slide came into the canyon with such force that it passed clear across the canyon, destroying all the houses not only within its path, but several that were more than 100 feet away from the slide were demolished, evidently by the concussion. The large windows in a schoolhouse more than 300 feet distant from the slide were broken. One house that was not touched by the slide was turned entirely around and another house was crushed in, both by the concussion. The canyon where the slide entered is about 300 feet wide, and this was filled with densely packed snow to depths of 20 to 40 feet entirely across and up and down the canyon for a distance of about 800 feet. Small trees on the opposite hill from which the slide came, but directly in front of the slide, were all bent to the ground, evidently by the strong force of the wind preceding the slide. It descended from the summit of a mountain about a mile from the bottom of the canyon. At first it passed through a stand of timber, but the weight of the snow was not sufficient to break off any of the large trees. After it had descended the hill a few hundred yards it struck another timbered area, the trees of which ranged between 1 and 2 feet in diameter; it broke them all off close to the ground. The same condition existed throughout its path to the bottom of the canyon, most of the distance, however, being an open area or covered with brush. The slide did not pick up all the snow on the bottom, but in its lower course seemed to slide over a large part of the snow that was originally on the ground. At least 30 large slides occurred within a radius of 10 miles from Wallace, Idaho.

FIG. 6.—Débris from a snowslide on the opposite side of the gulch from where it came down. The lower one of the two stumps is about 2½ feet in diameter.

Mr. Weigle has furnished a photograph which shows the effects of the wind in bending the trees to the ground on the opposite side of the hill.

Mr. George D. Eddy, engineer in charge, Great Northern Railway, has been a close observer of the conditions connected with avalanches, and in his report regarding those which occurred between Fielding and Java, a distance of 8 miles, he furnishes excellent temperature and weather data for the period before and after the slides occurred. He says:

In addition to the information I have endeavored to give you in the reports (Nos. 4, 5, and 6, Montana, Table 1), and that you may be posted as to the conditions prevailing prior to the occurrence of these slides, perhaps you would care to know that along in the middle of January we had a snow

slide about one-quarter of a mile east of Highgate, which came down in a draw where no previous slides had been known to occur. This slide was some 400 feet long and 50 feet deep and originated more than half way to the top of the mountain.

The snow during this period of mild weather thawed sufficiently to become thoroughly saturated with water, then froze hard, thus giving a poor support for the snow, falling later, to cling to.

FIG. 7.—Débris on the opposite side of the gulch. Log is 4 feet through.

In the latter part of January we had rather heavy snowfalls followed by a short period of fair weather in the first part of February, with several snowfalls a few days later. On the 13th and 14th of February we had a hard snowstorm. The 15th and 16th were clear days, with temperatures of about zero at noon. On the 17th, 18th, and 19th the noon temperatures varied slightly from 10° above with no precipitation. On the 20th there was a noon temperature of −10° and cloudy weather, which was followed by a fall to −28° on the 21st, with a frosty snow in the air. This day the temperature was −16° and fair at noon. At 7 a. m. on the 22d the thermometer registered −40°, rising to −10° at noon; the day was fair. On February 23 at 7 a. m., I find it was snowing hard with a temperature of −7°, rising to 4° at noon with continued hard snowfall. This was the day of the first slide in this succession of slides. On the 24th the temperature had risen to 27° at 6:30 a. m., with snow, and it rose to 32° with rain in the afternoon.

The remainder of the month of February and the first day of March were characterized by heavy snowfalls with the temperature from 4° to 6° below the freezing point, which was followed by rain, with slightly higher temperatures on the second day of March.

The snow practically slid off the whole side hills. There were 12 different slides between Fielding and Java, 8 miles at one time. I have questioned those who witnessed the slides and all seem to agree that there was a violent wind accompanying the slides, immediately preceding and immediately following them. No noise of great volume accompanied the slides, excepting those containing timber which were accompanied almost solely by noises of the timber breaking. I am unable to learn of any slides that were rolling masses. They all were, according to witnesses, distinctly slides of snow.



No very satisfactory results are obtained in summarizing the data in Table 1. It is found that the slope faced the south in the case of 10 slides, and 9 occurred on a slope facing the west, 7 on the north, and 5 on the southeast, therefore the slope down which the slides come is nearly as apt to face in one direction as in another, and it is not the sun's rays that influence them, for if such were the case we would find the greatest number on the south slopes and the fewest on the north slopes. Also the time of day does not accord with the period of strongest insolation as there were nearly as many between 2:00 a. m. and 4:00 a. m. as there were between 2:00 p. m. and 4:00 p. m. The hours when they were fewest were between 6:00 a. m. and 11:00 a. m. and between 7:00 p. m. and 8:00 p. m. They were most frequent on February 27 in all localities, and on this day the temperatures were mild and rain was falling during the afternoon at high elevations and had been preceded by a heavy fall of snow; the winds in most places were blustery.

FIG. 8.—Débris on the opposite side of the gulch. The log on the immediate left of the man is a green spruce about 18 inches in diameter.

The property loss in the table amounts to $314,625, to which should be added the loss of $32,500 reported by Mr. Riter in the Snowshoe, Mont., district, which makes a total of $347,125, and there was probably an equal amount of damage done to the county roads. If we include the losses due to stoppage in traffic as well as the cost of repairs the total will be nearly three-quarters of a million dollars, besides the loss of over 100 lives, by the memorable avalanches in 1910.

TABLE 1.—*Climatological data for June, 1910. District No. 12, Columbia Valley.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Montana.* | | | | | | | | | | | | | | | | | | | | |
| Anaconda | Deer Lodge | 5,300 | 9 | 58.0 | + 3.3 | 91a | 27 | 28a | 3 | 43a | 1.04 | | 0.32 | 0.0 | 7 | 17 | 10 | 3 | | C. D. Demond. |
| Bison | Powell | 7,240 | | | | | | | | | 2.53 | | 0.71 | 6.0 | 12 | 10 | 17 | 3 | | C. H. Anderson. |
| Columbia Falls | Flathead | 3,100 | 16 | 58.2 | + 1.3 | 93 | 26 | 26 | 4 | 53 | 1.73 | − 1.32 | 0.62 | 0.0 | 5 | 10 | 17 | 3 | sw. | Mrs. I. M. Kennedy. |
| Comoj** | Ravalli | | 2 | 61.8 | | 93 | 26 | 34 | 2 | 46 | 0.96 | | 0.19 | 0.0 | 11 | 20 | 8 | 2 | | Hiram Platt. |
| Darby | do | 3,825 | 1 | | | | | | | | | | | | | | | | | W. A. Kerlee. |
| Dayton | Flathead | 2,800 | 6 | 60.0 | | 94 | 27 | 31 | 4† | 46 | 0.73 | | 0.20 | 0.0 | 4 | 17 | 0 | 13 | | Charles Frost. |
| East Anaconda‡ | Deer Lodge | 5,500 | 5 | 59.6 | | 90 | 25† | 28 | 3 | 36 | 1.18 | | 0.22 | 0.0 | 8 | 17 | 10 | 3 | sw. | C. D. Demond. |
| Fortine | Lincoln | 2,975 | 4 | 56.4 | | 88 | 26 | 27 | 4 | 52 | 0.64 | | 0.34 | 0.0 | 5 | 16 | 9 | 5 | sw. | Mike Petery. |
| Hamilton | Ravalli | 3,575 | 7 | 62.4 | | 97 | 26 | 30 | 3 | 44 | 0.59 | | 0.20 | 0.0 | 6 | 21 | 9 | 0 | n. | J. B. Currie. |
| Hat Creek | Powell | 6,000 | | | | | | | | | 2.75 | | 0.68 | 0.0 | 12 | 10 | 13 | 7 | w. | M. K. Landreth. |
| Kalispell | Flathead | 2,965 | 11 | 59.5 | + 0.7 | 91 | 26 | 33 | 4 | 42 | 0.40 | − 1.34 | 0.16 | 0.0 | 9 | 11 | 15 | 4 | w. | U. S. Weather Bureau. |
| Lost Creek | Deer Lodge | 5,200 | | | | | | | | | 1.60 | | 0.48 | 0.0 | 5 | 16 | 9 | 5 | sw. | Frank Henault. |
| McGinnis Meadows | Lincoln | | | 57.4 | | 90c | 25† | 28b | 4 | 54c | 0.65 | | 0.45 | 0.0 | 2 | 9b | 14b | 5b | sw. | H. L. Beebe. |
| Missoula | Missoula | 3,225 | 32 | 63.0 | + 3.1 | 98 | 26 | 30 | 3 | 52 | 0.67 | − 1.57 | 0.20 | 0.0 | 7 | | | | sw. | U. S. Weather Bureau. |
| Ophir | Powell | 8,800 | | | | | | | | | 2.03 | | 0.75 | T. | 8 | 12 | 13 | 5 | w. | E. S. Wilton. |
| Ovando | do | 4,207 | 10 | 53.7 | 0.0 | 88 | 27 | 28 | 4 | 50 | 1.68 | − 0.58 | 0.50 | 0.0 | 8 | | | | w. | S. B. Muchmore. |
| Philipsburg | Granite | 5,275 | 7 | 58.2 | | 93a | 27 | 27a | 3 | 54a | 2.13 | | 0.42 | T. | 9 | 11a | 11a | 7a | sw. | G. T. Bramble. |
| Plains | Sanders | 2,475 | 12 | 60.2 | + 2.5 | 89 | 26 | 35 | 4† | 42 | T. | − 1.62 | T. | 0.0 | 0 | 21 | 0 | 9 | sw. | M. H. Pierce. |
| Pleasant Valley | Flathead | 3,500 | 3 | 54.6 | | 85 | 29 | 25 | 13 | 53 | 0.46 | | 0.15 | 0.0 | 7 | 15 | 6 | 9 | | A. D. Stillman. |
| Polson | do | 2,920 | 2 | 60.2 | | 91 | 26 | 36 | 4 | 43 | 1.32 | | 0.56 | 0.0 | 4 | | | | | F. P. Brown. |
| St. Ignatius | Missoula | 2,700 | 4 | 60.4 | | 96 | 26 | 32 | 3 | 50 | 1.33 | | 0.44 | 0.0 | 9 | 20 | 7 | 3 | ne. | U. S. Reclamation Service. |
| St. Regis | do | 2,650 | 2 | 59.8 | | 95 | 26 | 30 | 13 | 58 | 0.26 | | 0.17 | 0.0 | 2 | 11 | 16 | 3 | ne. | R. D. Lee. |
| Saltese | do | 3,600 | 6 | | | | | | | | 0.30 | | 0.30 | 0.0 | 1 | 29 | 1 | 0 | w. | E. K. Tarbox. |
| Snowshoe | Lincoln | 4,500 | 4 | 53.8 | | 80 | 10 | 32 | 2 | 35 | 1.21 | | 0.52 | 1.0 | 11 | 16 | 7 | 7 | sw. | J. C. Riter. |
| Troy | do | 1,880 | 14 | 60.2 | + 1.2 | 92 | 10 | 34 | 24 | 52 | 0.55 | − 1.30 | 0.50 | 0.0 | 2 | 14 | 9 | 7 | s. | W. E. Milnor. |
| Upper Lake McDonald | Flathead | 3,200 | 2 | 57.8f | | 84f | 26 | 34f | 3 | 38f | 1.23 | | 0.34 | 0.0 | 7 | 11f | 9f | 4f | s. | F. F. Liebig. |
| *Wyoming.* | | | | | | | | | | | | | | | | | | | | |
| Afton | Uinta | 6,200 | 6 | 56.1 | + 1.3 | 88 | 27 | 24 | 3 | 53 | 0.29 | − 0.90 | 0.12 | 0.0 | 3 | 28 | 2 | 0 | | A. V. Call. |
| Alta | do | | 1 | 54.4 | | 84 | 27 | 25 | 3 | 50 | 0.20 | | 0.12 | 0.0 | 3 | 15 | 13 | 2 | sw. | Mrs. Lucy Brown. |
| Bedford | do | 5,900 | 10 | 54.6 | + 1.7 | 87 | 27 | 25 | 3 | 54 | 0.04 | − 1.47 | 0.04 | 0.0 | 1 | 24 | 4 | 2 | w. | C. G. Heiner. |
| Snake River | Yellowstone Park | 7,000 | 4 | 52.4 | | 86 | 27 | 22 | 4 | 55 | 0.10 | | 0.10 | 0.0 | 1 | 16 | 13 | 1 | w. | U. S. Army. |
| *Nevada.* | | | | | | | | | | | | | | | | | | | | |
| San Jacinto | Elko | | | 58.6 | | 93 | 28 | 24 | 3 | 51 | 0.09 | | 0.09 | 0.0 | 2 | 22 | 7 | 1 | sw. | Moses Jones. |
| *Utah.* | | | | | | | | | | | | | | | | | | | | |
| Standrod | Boxelder | | 6 | 60.8 | | 88 | 27 | 30 | 3 | 40 | 0.41 | | 0.32 | 0.0 | 2 | 23 | 6 | 1 | sw. | T. B. Jones. |
| *Idaho.* | | | | | | | | | | | | | | | | | | | | |
| Atlanta | Elmore | 5,500 | 4 | | | | | | | | | | | | | | | | | H. Warder Lewis. |
| Albion | Cassia | | 8 | 61.4 | | 97 | 26 | 23 | 3 | 60 | 0.24 | | 0.24 | 0.0 | 1 | 27 | 2 | 1 | w. | G. A. Axline. |
| Almo | do | | 2 | | | | | | | | 0.20 | | 0.20 | 0.0 | 1 | 24 | 6 | 0 | s. | Wm. L. Eames. |
| American Falls | Oneida | 4,341 | | 64.1 | + 3.1 | 99 | 27 | 32 | 3 | 53 | 0.20 | − 0.73 | 0.10 | 0.0 | 2 | | | | | O. H. Barber. |
| Blackfoot | Bingham | 4,503 | 15 | 61.7 | − 0.5 | 92 | 26† | 30 | 3 | 53 | 0.10 | − 0.62 | 0.10 | 0.0 | 1 | 24 | 6 | 0 | sw. | E. A. Dowd. |
| Blackfoot Dam | do | | 2 | 55.9 | | 90 | 27 | 25 | 3† | 53 | 0.21 | | 0.19 | 0.0 | 2 | 23 | 5 | 2 | nw. | N. W. Irsfield. |
| Blanche | Lincoln | | 2 | | | | | | | | | | | | | | | | | Mrs. Belle Hess. |
| Bock's Ranch | Elmore | 3,500 | | | | | | | | | | | | | | | | | | William Bock. |
| Bogus Creek | Boise | 4,200 | 2 | | | | | | | | 0.48 | | 0.42 | 0.0 | 3 | 21 | 9 | 0 | | F. P. Ingraham. |
| Boise | Ada | 2,770 | 25 | 66.0 | 0.0 | 100 | 26 | 38 | 8 | 39 | 0.30 | − 0.58 | 0.26 | 0.0 | 2 | 22 | 7 | 1 | nw. | U. S. Weather Bureau. |
| Bonners Ferry | Bonner | 1,850 | 4 | 58.4 | | 91 | 16 | 32 | 4 | 51 | 1.37 | | 0.70 | 0.0 | 7 | 10 | 15 | 5 | sw. | W. H. Heideman. |
| Boulder Mine | Boise | 4,800 | | | | | | | | | 0.35 | | 0.20 | 0.0 | 2 | 28 | 2 | 0 | | Patrick Moriarty. |
| Buhl | Cassia | 3,800 | 4 | 67.2 | | 100 | 26 | 40 | 7† | 48 | 0.25 | | 0.25 | 0.0 | 1 | 23 | 7 | 0 | w. | H. J. Idema. |
| Burke | Shoshone | 4,082 | 3 | 52.8 | | 85 | 10 | 29 | 2 | 46 | 0.89 | | 0.34 | T. | 4 | 12 | 17 | 1 | sw. | W. Alvin Hall. |
| Caldwell | Canyon | 2,372 | 6 | 65.4 | | 100 | 26 | 36 | 3† | 51 | 0.03 | | 0.03 | 0.0 | 1 | 15 | 15 | 0 | w. | Prof. Wm. J. Boone. |
| Camas | Fremont | 4,815 | 2 | 62.6 | | 98 | 27 | 30 | 8 | 52 | 0.01 | | 0.01 | 0.0 | 1 | 7 | 18 | 5 | sw. | Mrs. Edna Faulkner. |
| Cambridge | Washington | 2,651 | 13 | 64.8 | + 1.2 | 100 | 26 | 33 | 8 | 55 | 0.08 | − 0.75 | 0.04 | 0.0 | 2 | | | | w. | Chas. H. Shepherd. |
| Chesterfield | Bannock | 5,424 | | 57.4 | + 1.4 | 96c | 28 | 23b | 9 | 64c | 0.03 | − 1.01 | 0.03 | 0.0 | 1 | 17 | 7 | 6 | nw. | Chas. S. West. |
| Clawson | Fremont | | | | | | | | | | | | | | | | | | | E. J. Hopkins. |
| Cœur d'Alene | Kootenai | 2,157 | | 61.4 | + 0.6 | 91b | 10† | 37b | 13 | 47b | 0.51 | − 0.83 | 0.30 | 0.0 | 2 | | | | | Jos. T. Scott. |
| Cottonwood Creek | Boise | 4,000 | | | | | | | | | 0.25 | | 0.25 | 0.0 | 1 | 24 | 0 | 6 | | Frank Hedrick. |
| Crawford | do | 4,300 | 3 | | | | | | | | | | | | | | | | | Mrs. Gertrude Kerby. |
| Culdesac | Nez Perce | 1,520 | 2 | 62.6d | | 100 | 10 | 34b | 19† | 54b | T. | | T. | 0.0 | 0 | 19 | 9 | 2 | | R. R. Richmond. |
| Deary | Latah | | | | | | | | | | | | | | | | | | | H. M. Call. |
| Dent | Nez Perce | 1,350 | 5 | | | | | | | | | | | | | | | | | Emil Schuessler. |
| Driggs | Fremont | 6,097 | 3 | 57.2 | | 88 | 27 | 27 | 3 | 51 | 0.14 | | 0.10 | 0.0 | 2 | 16 | 10 | 4 | sw. | Walter H. Durrant. |
| Edie | do | | | 56.1 | | 85 | 28 | 29 | 3 | 48 | T. | | T. | 0.0 | 0 | 26 | 4 | 0 | s. | Geo. B. Edie. |
| Edwardsburg | Idaho | 4,500 | | | | | | | | | | | | | | | | | | W. A. Edwards. |
| Emmett | Canyon | 2,350 | 4 | | | | | | | | | | | | | | | | | E. L. Marvin. |
| Forney | Lemhi | | | 58.8 | + 4.0 | 98 | 11 | 24 | 3 | 59 | 0.20 | − 1.73 | 0.20 | 0.0 | 1 | 8 | 12 | 10 | sw. | M. B. Merritt. |
| Garden Valley | Boise | 3,600 | | | | | | | | | 6.26 | | 0.16 | 0.0 | 2 | 23 | 7 | 0 | | Mrs. Gertrude M. Ross. |
| Garnet | Elmore | 2,575 | 11 | | | | | | | | | | | | | | | | | Asa A. Kenison. |
| Gilbert | Nez Perce | 3,030 | | | | | | | | | | | | | | | | | | J. B. Loomis. |
| Glenns Ferry | Elmore | 2,569 | 2 | | | | | | | | | | | | | | | | | I. E. Perkins. |
| Gooding | Lincoln | 3,572 | | 65.4 | | 101 | 26 | 31 | 3 | 54 | 0.08 | | 0.08 | 0.0 | 1 | 24 | 6 | 0 | w. | John Krall, jr. |
| Grand Forks | Shoshone | 3,000 | | 55.4 | | 91 | 10 | 27 | 4 | 57 | 0.26 | | 0.14 | 0.0 | 2 | 17 | 11 | 2 | w. | Henry Kottkey. |
| Grandview | Owyhee | 2,381 | | 67.4 | | 104 | 26 | 32 | 3 | 58 | 0.27 | | 0.14 | 0.0 | 3 | 20 | 4 | 6 | nw. | N. G. Massey. |
| Green Timber | Fremont | | | | | | | | | | | | | | | | | | | Otto Stegelmeier |
| Grimes Pass | Boise | 5,200 | | | | | | | | | 0.13 | | 0.12 | 0.0 | 2 | | | | | Joseph M. Clarke. |
| Guffey | Owyhee | 2,381 | 2 | 70.2 | | 98 | 28 | 41 | 3 | 49 | 0.45 | | 0.41 | 0.0 | 3 | 23 | 3 | 4 | w. | Fred Perry. |
| Hailey | Blaine | 5,347 | 6 | 62.0 | | 92 | 26 | 32 | 8 | 46 | 0.06 | | 0.03 | 0.0 | 2 | 24 | 3 | 3 | sw. | U. S. Forest Service. |
| Hotspring | Owyhee | 2,752 | 5 | 69.4 | | 104 | 26 | 36 | 8 | 50 | T. | | T. | 0.0 | 0 | 24 | 6 | 0 | | J. M. Waterhouse. |
| Idaho City | Boise | 4,000 | 10 | | | | | | | | | | | | | | | | | Mrs. Emma Hammer. |
| Idaho Falls | Bingham | 4,742 | 16 | 62.6 | + 3.8 | 95 | 27 | 30 | 3 | 53 | 0.14 | − 1.16 | 0.11 | 0.0 | 3 | 22 | 4 | 4 | ne. | Dr. T. M. Bridges. |
| Indian Valley | Washington | 2,999 | 2 | | | | | | | | 0.08 | | 0.04 | 0.0 | 2 | 21 | 7 | 2 | w. | W. E. Henke. |
| Irwin | Bingham | 6,500 | | 60.0 | | 95 | 27 | 20 | 3 | 59 | 0.17 | | 0.17 | 0.0 | 1 | 22 | 3 | 5 | w. | Eva Johnston. |
| Kellogg | Shoshone | 2,330 | 6 | 57.8 | | 92 | 10 | 33 | 4† | 52 | 0.61 | | 0.24 | 0.0 | 5 | 20 | 0 | 10 | sw. | W. McM. Huff. |
| Kirkham | Boise | | | | | | | | | | 0.86 | | 0.80 | 0.0 | 2 | 18 | 5 | 7 | | Mrs. Josie B. West. |
| Kooskia | Idaho | 1,261 | 2 | 62.8 | | 97 | 26 | 35 | 13 | 54 | 0.75 | | 0.35 | 0.0 | 4 | 16 | 14 | 0 | w. | U. S. Forest Service. |
| Lake | Fremont | 6,700 | 21 | | | | | | | | | | | | | | | | | J. Sherwood. |
| Lakeview | Bonner | 2,250 | 13 | | | | | | | | | | | | | | | | | E. D. Faust. |
| Landore | Washington | 5,300 | 6 | 54.5 | | 88 | 26 | 27 | 8 | 50 | 0.15 | | 0.11 | T. | 2 | 21 | 8 | 1 | | Mrs. Emma L. Brown. |
| Lewiston | Nez Perce | 757 | 17 | 65.8 | − 3.3 | 99 | 10 | 42 | 3 | 46 | 0.61 | − 0.43 | 0.38 | 0.0 | 5 | 12 | 12 | 6 | e. | U. S. Weather Bureau. |
| Little Camas | Elmore | 5,000 | 2 | | | | | | | | 0.09 | | 0.04 | 0.0 | 3 | 10 | 17 | 3 | w. | Solon McCoy. |
| Long Gulch | do | 4,500 | | | | | | | | | 0.48 | | 0.25 | 0.0 | 3 | 24 | 4 | 2 | | Mrs. Elizabeth A. Hjort |
| Loon Creek | Custer | 6,000 | | | | | | | | | | | | | | | | | | Mrs. Emma Walter. |
| Lost River | Blaine | 5,700 | | | | | | | | | | | | | | | | | | Mrs. Mary L. Lemon. |
| Lowry | Owyhee | | 2 | 62.7 | | 99 | 28 | 28 | 4 | 64 | 0.15 | | 0.10 | 0.0 | 2 | 21 | 4 | 5 | so. | W. D. Winter. |
| McCall | Boise | 5,025 | 5 | 55.0 | | 90 | 27 | 26 | 8† | 53 | 0.31 | | 0.21 | 0.0 | 2 | 26 | 2 | 2 | | U. S. Forest Service. |
| Mackay | Custer | 5,897 | 3 | 60.5 | | 88 | 1† | 33 | 7† | 45 | 0.13 | | 0.13 | 0.0 | 1 | 27 | 0 | 3 | nw. | Do. |
| Meadows | Washington | 3 950 | 6 | 57.8 | | 94 | 26 | 28 | 8 | 56 | 0.79 | | 0.45 | 0.0 | 3 | 17 | 13 | 0 | | Chas. A. Hackney. |

TABLE 1.—*Climatological data for June, 1910. District No. 13*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Idaho*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Milner | Cassia | 4,097 | 7 | 65.2 | ..... | 90 | 27 | 33 | 3 | 47 | 0.31 | ..... | 0.24 | 0.0 | 2 | 18 | 10 | 2 | nw. | R. A. Hanson. |
| Moscow | Latah | 2,748 | 18 | 57.6 | − 1.0 | 89 | 10 | 34 | 14 | 50 | T. | − 1.39 | T. | 0.0 | 0 | 11 | 11 | 8 | w. | University of Idaho. |
| Mountainhome | Elmore | 3,150 | 5 | 64.2 | ..... | 95 | 27† | 29 | 3 | 56 | 0.00 | ..... | 0.00 | 0.0 | 0 | 21 | 5 | 4 | nw. | Mrs. Ellen Manion. |
| Murtaugh | Cassia | ..... | 4 | 63.4[d] | ..... | 96[d] | 27 | 28[d] | 3 | 52[d] | 0.00 | ..... | 0.00 | 0.0 | 0 | ..... | ..... | ..... | w. | J. E. Steinour. |
| Nez Perce‡ | Nez Perce | 3,182 | ..... | 55.0 | ..... | 88 | 10 | 28 | 13 | 47 | 0.10 | ..... | 0.10 | 0.0 | 1 | ..... | ..... | ..... | nw. | P. Mitchell. |
| Oakley | Cassia | 4,191 | 17 | 64.5 | + 2.1 | 98 | 27 | 32 | 4 | 50 | T. | − 0.81 | T. | 0.0 | 0 | 20 | 10 | 0 | s. | John Adams. |
| O'Hara Bar | Idaho | 1,400 | ..... | 62.5 | ..... | 95[b] | 10 | 37[b] | 6 | 53[b] | 0.23 | ..... | 0.10 | 0.0 | 4 | ..... | ..... | ..... | ..... | U. S. Forest Service. |
| Orofino | Nez Perce | 1,027 | 5 | 63.2 | ..... | 98 | 10 | 37 | 3† | 55 | 0.18 | ..... | 0.12 | 0.0 | 5 | 20 | 10 | 0 | ..... | Geo. Alteneder. |
| Payette | Canyon | 2,159 | 20 | 66.2 | + 0.3 | 102 | 26 | 34 | 9 | 50 | 0.13 | − 0.52 | 0.07 | 0.0 | 2 | 20 | 7 | 3 | n. | E. F. Allen. |
| Pebble | Bannock | 5,277 | ..... | 58.1 | ..... | 92 | 27 | 25 | 9 | 56 | 0.15 | ..... | 0.09 | 0.0 | 2 | 18 | 9 | 3 | sw. | Mrs. Fannie Say. |
| Pierson | Custer | 7,000 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.18 | ..... | 0.18 | 0.0 | 1 | 24 | 1 | 5 | ..... | David P. Clarke. |
| Pine | Elmore | 4,100 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mrs. Jennie Potter. |
| Placerville | Boise | 4,200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | James McDevitt. |
| Pleasant Valley | Ada | 3,000 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. E. Friedrich. |
| Pocatello | Bannock | 4,483 | 11 | 65.2 | + 1.0 | 94 | 27 | 38 | 9 | 44 | 0.08 | − 0.91 | 0.05 | 0.0 | 4 | 17 | 13 | 0 | se. | U. S. Weather Bureau. |
| Pocatello Nursery | do | 5,396 | 3 | 58.8 | ..... | 91 | 14† | 28 | 9 | 53 | 0.27 | ..... | 0.21 | 0.0 | 2 | 24 | 6 | 0 | sw. | Mrs. Anna M. Wrensted |
| Poplar | Bingham | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Stanley Bybee. |
| Porthill | Bonner | 1,665 | 22 | 58.7 | − 1.0 | 89 | 26 | 34 | 4 | 49 | 1.60 | − 0.06 | 0.42 | 0.0 | 7 | 20 | 7 | 3 | ..... | H. A. French. |
| Powers Ranch | Boise | 4,300 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mrs. Mona B. Powers. |
| Pyle Creek | do | 3,100 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.22 | ..... | 0.15 | 0.0 | 3 | 22 | 3 | 5 | ne. | Walter L. Cole. |
| Rattlesnake Creek | Elmore | 4,000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Richard M. Green. |
| Ruby Creek | Boise | 4,400 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | O. A. Hatter. |
| Rupert | Lincoln | 4,204 | 4 | 63.6 | ..... | 99[c] | 26 | 32 | 3 | 53[c] | 0.01 | ..... | 0.01 | 0.0 | 1 | 26 | 2 | 2 | w. | Will Parry. |
| Salmon | Lemhi | 4,040 | 5 | 62.6 | ..... | 98 | 26 | 32 | 3 | 58 | 0.42 | ..... | 0.21 | 0.0 | 3 | 23 | 5 | 2 | w. | E. K. Abbott. |
| Salmon River Dam | Twin Falls | ..... | 2 | 65.7 | ..... | 98 | 26† | 34 | 3 | 45 | C. 05 | ..... | 0.03 | 0.0 | 2 | 21 | 7 | 2 | nw. | Arch M. Gilbert. |
| Sheep Hill | Boise | 5,000 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Clifford M. Gardner. |
| Shoshone | Lincoln | 3,968 | 2 | 63.6 | ..... | 92 | 27 | 35 | 3 | ..... | 0.01 | ..... | 0.01 | 0.0 | 1 | 17 | 13 | 0 | w. | O. A. Truman. |
| Silver City | Owyhee | 6,280 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.67 | ..... | 0.25 | 0.0 | 4 | 22 | 3 | 5 | s. | A. D. Bradfield. |
| Smith Prairie | Elmore | 5,200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Wm. W. Newell. |
| Soldier | Blaine | 5,200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. W. Leek. |
| Sugar | Fremont | ..... | 3 | 60.0 | ..... | 90 | 27 | 31 | 3† | 52 | 0.11 | ..... | 0.11 | 0.0 | 1 | 18 | 9 | 3 | sw. | Geo. F. Webb. |
| Sunnyside | Elmore | ..... | ..... | 63.8 | ..... | 102 | 26 | 32 | 8 | 50 | 0.28 | ..... | 0.11 | 0.0 | 1 | 3 | ..... | ..... | nw; | E. A. Wilmot. |
| Tilden | Bingham | 4,420 | 2 | 61.6 | ..... | 98 | 27 | 28 | 3 | 55 | T. | ..... | T. | 0.0 | 0 | 20 | 9 | 1 | sw. | Mrs. W. A. Edwards. |
| Tripod Mountan | Boise | 4,300 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.35 | ..... | 0.24 | 0.0 | 2 | 22 | 7 | 1 | ..... | Mrs. Verna Paddock. |
| Twin Falls | Twin Falls | 3,825 | 5 | 64.0 | ..... | 100 | 26 | 30 | 9 | 60 | 0.06 | ..... | 0.05 | 0.0 | 2 | 15 | 15 | 0 | w. | J. A. Waters. |
| Vernon | Fremont | ..... | 13 | 60.2 | + 3.6 | 90 | 27 | 30 | 4† | 48 | 0.05 | − 1.16 | 0.05 | 0.0 | 1 | 19 | 11 | 0 | sw. | A. M. Slatery. |
| Wallace | Shoshone | 2,728 | 3 | 58.7 | ..... | 93 | 10 | 33 | 4† | 52 | 0.71 | ..... | 0.20 | 0.0 | 8 | ..... | ..... | ..... | w. | U. S. Weather Bureau. |
| Wendell | Lincoln | 3,400 | 2 | 67.4 | ..... | 102 | 26† | 32 | 3 | 52 | 0.05 | ..... | 0.05 | 0.0 | 1 | 24 | 6 | 0 | w. | Chas. L. Dingler. |
| *Washington*. | | | | | | | | | | | | | | | | | | | | |
| Aberdeen | Chehalis | 162 | 19 | 55.5[c] | − 1.1 | 86[c] | 10 | 41[c] | 23† | 37[c] | 3.31 | − 0.31 | 1.56 | 0.0 | 5 | 1 | 29 | 0 | w. | Carl S. Weatherwax. |
| Anacortes | Skagit | 60 | 16 | 56.9 | ..... | 80 | 10 | 40 | 12 | 38 | 0.91 | − 0.46 | 0.53 | 0.0 | 8 | 12 | 19 | 0 | ..... | Douglas Allmond. |
| Baker | do | 200 | 4 | 59.8 | ..... | 87 | 4 | 39 | 3 | 43 | 2.41 | ..... | 0.76 | 0.0 | 4 | 13 | 2 | 15 | ..... | Robt. M. White. |
| Bellingham | Whatcom | 60 | 15 | 56.3 | − 2.0 | 77 | 10 | 34 | 23 | 32 | 1.79 | + 0.07 | 0.64 | 0.0 | 9 | 19 | 8 | 3 | ..... | Sanford B. Mayhew. |
| Blaine | do | 53 | 13 | ..... | ..... | 75 | 4† | 38 | 3 | 34 | 1.70 | − 0.68 | 0.71 | 0.0 | 6 | 11 | 16 | 3 | sw. | John W. Sheets. |
| Blewett | Chelan | 2,200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | John Burmeister. |
| Bremerton | Kitsap | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.66 | ..... | 0.36 | 0.0 | 7 | ..... | ..... | ..... | ..... | U. S. Navy Yard. |
| Brewster | Okanogan | ..... | ..... | 64.3 | ..... | 93 | 10 | 38 | 21 | 38 | 0.22 | ..... | 0.11 | 0.0 | 4 | 14 | 11 | 5 | s. | Mrs. H. F. Bertram. |
| Bumping Lake | Yakima | ..... | ..... | 51.8 | ..... | 85 | 10 | 26 | 2 | 41 | 1.52 | ..... | 0.60 | 0.0 | 3 | 19 | 5 | 6 | ..... | U. S. Reclamation Service. |
| Cashmere | Chelan | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.21 | ..... | 0.17 | 0.0 | 2 | 14 | 16 | 0 | nw. | Valley Power Co. |
| Cedar River | King | ..... | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.74 | ..... | 0.68 | 0.0 | 9 | 9 | 3 | 18 | ..... | George Landsburg. |
| Centralia | Lewis | 212 | 17 | 57.6 | − 1.9 | 96 | 10 | 35 | 2 | 48 | 2.02 | − 0.28 | 0.75 | 0.0 | 7 | 11 | 16 | 3 | w. | I. S. Turner. |
| Cheney | Spokane | 2,351 | 11 | 60.4 | ..... | 93[b] | 10 | 35[b] | 5† | 53[b] | 1.10 | + 0.16 | 0.90 | 0.0 | 2 | 17[b] | 3[b] | 8[b] | sw. | Northern Pacific Ry. |
| Clealum | Kittitas | 1,930 | 11 | 55.7 | − 0.4 | 90 | 10 | 30 | 3 | 51 | 0.69 | − 0.29 | 0.35 | 0.0 | 3 | 24 | 5 | 1 | nw. | J. A. Balmer. |
| Clearbrook | Whatcom | 140 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Geo. Gibbs. |
| Clearwater | Jefferson | 135 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | A. Ritchie. |
| Colfax | Whitman | 2,300 | 21 | 58.8 | − 0.1 | 92 | 10 | 31 | 13 | 51 | 0.37 | − 0.67 | 0.17 | 0.0 | 3 | ..... | ..... | ..... | ..... | W. H. James. |
| Colville | Stevens | 1,635 | 10 | 58.9 | − 3.3 | 92 | 10 | 32 | 4† | 53 | 1.15 | − 0.36 | 0.63 | 0.0 | 8 | 10 | 9 | 11 | sw. | W. L. Sax. |
| Conconully | Okanogan | 2,300 | 10 | 58.2 | − 1.4 | 87 | 10 | 33 | 3 | 40 | 0.59 | − 0.95 | 0.19 | 0.0 | 9 | 14 | 6 | 10 | s. | Wm. Baines. |
| Cowiche | Yakima | ..... | ..... | 62.2 | ..... | 93 | 1 | 30[b] | 12 | 38[b] | 0.49 | ..... | 0.31 | 0.0 | 5 | 23 | 4 | 3 | nw. | U. S. Reclamation Service. |
| Crescent | Lincoln | 2,250 | 10 | 58.6 | ..... | 91 | 10 | 31 | 13† | 56 | 0.36 | ..... | 0.22 | 0.0 | 2 | 25 | 3 | 2 | sw. | Otto Wollweber. |
| Davenport | do | 2,450 | 1 | 59.4 | ..... | 90 | 10 | 33 | 21 | 43 | 0.73 | ..... | 0.24 | 0.0 | 4 | 20 | 9 | 1 | sw. | W. H. Reed. |
| Dayton | Columbia | 1,700 | 24 | 62.9 | + 0.6 | 96 | 10 | 40 | 8 | 38 | 0.54 | − 0.65 | 0.47 | 0.0 | 2 | 18 | 12 | 0 | sw. | W. W. Hendron. |
| Detroit | Mason | 30 | 2 | 58.0 | ..... | 88 | 10 | 39 | 3† | 47 | 1.24 | ..... | 0.64 | 0.0 | 8 | 14 | 13 | 3 | sw. | Walter O. Eckert. |
| Dixie | Walla Walla | 5,000 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.15 | ..... | 0.60 | 0.0 | 6 | 16 | 4 | 10 | sw. | T. Z. Andrews. |
| Duckabush | Jefferson | 380 | 2 | 57.4 | ..... | 90[a] | 10 | 39[a] | 27 | 46 | 2.78 | ..... | 1.52 | 0.0 | 13 | 9[a] | 11[a] | 9[a] | n. | E. J. Finch. |
| East Sound | San Juan | 500 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Benj. E. Harrison. |
| Ellensburg | Kittitas | 1,571 | 22 | 60.9 | − 0.3 | 96 | 10 | 34 | 20 | 53 | 0.44 | − 0.24 | 0.20 | 0.0 | 4 | 23 | 7 | 0 | nw. | R. Lee Barnes. |
| Ephrata | Grant | 1,265 | 7 | 65.8 | ..... | 94 | 10† | 44 | 21 | 36 | 0.00 | ..... | 0.00 | 0.0 | ..... | 15 | 14 | 1 | s. | T. J. Cook. |
| Forks | Clallam | 480 | 1 | 56.5[c] | ..... | 82[c] | 3 | 39[c] | 3 | 43[a] | 2.51 | ..... | 0.70 | 0.0 | 7 | 10[a] | 8[a] | 11[a] | s. | E. A. Markham. |
| Fort Simcoe | Yakima | 1,427 | 16 | 59.9 | − 4.7 | 93 | 10 | 30 | 2 | 45 | 0.30 | − 0.20 | 0.30 | 0.0 | 1 | 22 | 6 | 2 | ..... | Frank C. Hill. |
| Goat Lake | Shohomish | 2,900 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. M. Mackintosh. |
| Gold Creek | Yakima | 2,600 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.80 | ..... | 0.49 | 0.0 | 3 | 15 | 9 | 6 | w. | John W. Anderson. |
| Goldendale | Klickitat | 1,600 | 4 | 62.4 | ..... | 96 | 10 | 36 | 3 | 49 | 0.00 | − 0.39 | 0.00 | 0.0 | 0 | 24[c] | 0[c] | 1[c] | w. | Klickitat Co. Abstract Co. |
| Granite Falls | Snohomish | 397 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.49 | ..... | 1.12 | 0.0 | 9 | 7 | 13 | 10 | nw. | C. H. Cleaver. |
| Hatton | Adams | 1,100 | 5 | 63.2 | ..... | 102 | 10 | 32 | 2 | 49 | 0.41 | ..... | 0.34 | 0.0 | 3 | 17 | 7 | 6 | sw. | Dr. A. V. Marion. |
| Huntsville | Columbia | 1,400 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.32 | ..... | 0.27 | 0.0 | 2 | 24 | 4 | 2 | ..... | Dr. B. Hill. |
| Irene Mountain | Okanogan | 3,015 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.65 | ..... | 0.37 | 0.0 | 11 | 11 | 12 | 7 | sw. | Manda Shain. |
| Kennewick | Benton | 367 | 15 | 68.0 | − 1.1 | 104 | 10 | 37 | 13 | 53 | 0.30 | + 0.02 | 0.20 | 0.0 | 2 | ..... | ..... | ..... | ..... | L. W. Soth. |
| Kettle Falls | Stevens | 1,265 | 1 | 61.8 | ..... | 91 | 10† | 38 | 13 | 46 | 1.70 | ..... | 0.70 | 0.0 | 9 | 15 | 10 | 5 | ..... | Harry H. Cole. |
| Kiona | Benton | 430 | 5 | 66.7 | ..... | 99 | 10 | 40 | 13 | 49 | 0.31 | ..... | 0.26 | 0.0 | 2 | 20 | 7 | 3 | sw. | Dr. F. S. Hedger. |
| Kosmos | Lewis | 775 | 4 | 57.7 | ..... | 94 | 10 | 33 | 3 | 49 | 1.60 | ..... | 0.84 | 0.0 | 7 | 6 | 22 | 2 | ne. | J. A. Ulsh. |
| La Center | Clarke | 250 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Joseph Brothers. |
| La Crosse | Whitman | 1,400 | 1 | 61.0 | ..... | 98 | 10 | 31 | 13 | 53 | 0.29 | ..... | 0.17 | 0.0 | 3 | 21 | 8 | 1 | w. | M. E. Schreck. |
| Lake Clealum | Kittitas | 2,171 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.06 | ..... | 0.34 | 0.0 | 7 | 8 | 10 | 12 | nw. | U. S. Reclamation Service. |
| Lake Kachess | do | 2,235 | 2 | 55.6 | ..... | 89 | 10 | 33 | 3 | 46 | 1.55 | ..... | 0.70 | 0.0 | 6 | 15 | 12 | 3 | e. | Do. |
| Lake Keechelus | do | 2,479 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Do. |
| Lakeside | Chelan | 1,116 | 19 | 64.8 | − 0.4 | 90 | 10† | 42 | 21 | 36 | 0.16 | − 0.73 | 0.15 | 0.0 | 2 | 8 | 20 | 2 | w. | W. H. Van Meter. |
| Laurel | Klickitat | 1,900 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.20 | ..... | 0.74 | 0.0 | 4 | 12 | 18 | 0 | w. | Mrs. Minnie E. Strout. |
| Laurier | Ferry | ..... | ..... | 63.2 | ..... | 94 | 26 | 35 | 4 | 52 | 1.27 | ..... | 0.34 | 0.0 | 13 | 5 | 10 | 15 | s. | Mrs. J. S. Myers. |
| Lester | King | 1,614 | 6 | 56.6 | ..... | 91 | 10 | 34 | 3 | 44 | 0.76 | ..... | 0.35 | 0.0 | 5 | 14 | 6 | 10 | w. | W. W. Clabaugh. |
| Lone Tree | Chehalis | 9 | 1 | 56.1 | ..... | 76 | 10 | 46 | 3 | 23 | 1.91 | ..... | 0.76 | 0.0 | 8 | 4 | 16 | 10 | nw. | U. S. A. Engineer Corps. |
| Longmires Springs | Pierce | 2,800 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | U. S. Forest Service. |
| Lost Creek | Okanogan | 3,125 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.69 | ..... | 0.44 | 0.0 | 2 | 17 | 6 | 7 | sw. | P. H. Leese. |
| Lyle | Klickitat | 600 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Wm. Morginson. |
| McCumber's Ranch | Yakima | 2,182 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.00 | ..... | 0.60 | 0.0 | 3 | 18 | 7 | 5 | sw. | Mrs. Mary McCumber. |
| Mottinger | Benton | 307 | 10 | 67.6 | − 1.4 | 101 | 10 | 45 | 2† | 41 | 0.56 | + 0.07 | 0.56 | 0.0 | 1 | 26 | 2 | 2 | w. | G. H. Mottinger. |
| Mount Pleasant | Skamania | 650 | 10 | 58.0 | − 1.7 | 89 | 10 | 39 | 3 | 37 | 2.04 | − 0.45 | 1.44 | 0.0 | 5 | 13 | 11 | 6 | w. | F. M. Grout. |

TABLE 1.—*Climatological data for June, 1910. District No. 12*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Washington*—Cont'd. | | | | | | | | | | | | | | | | | | | |
| Moxee | Yakima | 1,000 | 18 | 64.8 | + 0.2 | 98 | 1 | 37 | 8† | 51 | 0.25 | − 0.40 | 0.16 | 0.0 | 4 | 9 | 20 | 1 | w. | Henry B. Scudder. |
| Newport | Stevens | | | 56.6 | | 86 | 10† | 28 | 13 | 50 | 0.74 | | 0.42 | 0.0 | 4 | 18 | 8 | 4 | w. | Chas. M. Talmadge. |
| North Head | Pacific | 211 | 8 | 53.1 | − 1.9 | 64 | 10 | 47 | 1 | 12 | 2.22 | + 0.45 | 0.76 | 0.0 | 11 | 6 | 13 | 11 | nw. | U. S. Weather Bureau. |
| Northport | Stevens | 1,950 | 11 | 62.9 | | 96 | 10† | 31 | 4 | 62 | 0.21 | − 1.80 | 0.10 | 0.0 | 6 | 17 | 11 | 2 | | John Palm. |
| North Yakima | Yakima | 1,076 | 1 | 64.8 | | 96 | 10 | 40 | 20† | 42 | 0.55 | | 0.34 | 0.0 | 3 | 24 | 3 | 3 | nw. | Albert Bender. |
| Nutland | Klickitat | | 1 | 65.2 | | 98 | 10 | 42 | 3 | 38 | 0.32 | | 0.14 | 0.0 | 3 | | | | | J. R. Shepard. |
| Odessa | Lincoln | 1,540 | 7 | 62.5 | | 98 | 10 | 32 | 3 | 51 | 0.31 | | 0.20 | 0.0 | 3 | 10 | 14 | 6 | sw. | Wm. U. Neeley. |
| Olga | San Juan | 50 | 20 | 54.4 | − 2.4 | 73 | 4† | 40 | 3† | 30 | 1.31 | − 0.11 | 0.57 | 0.0 | 5 | 11 | 14 | 5 | sw. | Cecil S. Willis. |
| Olympia | Thurston | 200 | 32 | 57.4 | − 1.8 | 88 | 10 | 35 | 3 | 48 | 1.04 | − 0.73 | 0.44 | 0.0 | 6 | 11 | 6 | 13 | sw. | M. O'Connor. |
| Omak | Okanogan | | 1 | 64.2 | | 100 | 10 | 36 | 6† | 46 | 0.15 | | 0.15 | 0.0 | 1 | | | | | Wm. G. Tait. |
| Oroville | ...do | 922 | 1 | | | | | | | | 0.98 | | 0.42 | 0.0 | 4 | | | | | A. M. Dufield. |
| Peola | Garfield | 5,000 | 1 | | | | | | | | 0.64 | | 0.20 | 0.0 | 6 | 17 | 13 | 0 | nw. | Samuel Gruell, sr. |
| Pomeroy | ...do | 1,500 | 18 | 62.4 | − 1.7 | 90 | 25 | 38 | 3 | 42 | 0.15 | − 0.74 | 0.15 | 0.0 | 1 | 12 | 16 | 2 | w. | Peter McClung. |
| Port Crescent | Clallam | 239 | 15 | 50.4 | − 3.0 | 74 | 10 | 35 | 3 | 33 | 1.35 | − 0.48 | 0.53 | 0.0 | 7 | 4 | 22 | 4 | nw. | U. S. Weather Bureau. |
| Port Townsend | Jefferson | 80 | 20 | 55.9 | − 2.6 | 76 | 10 | 45 | 12† | 27 | 0.97 | − 0.57 | 0.35 | 0.0 | 7 | 7 | 5 | 18 | w. | Frank Plummer. |
| Pullman | Whitman | 2,550 | 18 | 59.4 | + 0.2 | 93[a] | 10 | 33 | 17 | 37[a] | 0.25 | − 1.12 | 0.25 | 0.0 | 1 | 22 | 3 | 5 | sw. | State Agricultural College |
| Quinisult | | 300 | 3 | 55.2 | | 88 | 10 | 39 | 26 | 42 | 4.36 | | 2.50 | 0.0 | 12 | 8 | 20 | 2 | w. | A. V. Higley. |
| Republic | Ferry | 2,628 | 10 | 55.3 | − 3.0 | 89 | 10 | 29 | 4 | 48 | 1.22 | | 0.35 | 0.0 | 12 | 12 | 8 | 10 | nw. | Geo. B. Stocking. |
| Rex Creek | Chelan | 1,135 | 3 | 58.9[a] | | 80[f] | 10 | 41[a] | 3† | 30[a] | 0.21 | | 0.11 | 0.0 | 2 | 5[f] | 3[f] | 16[f] | nw. | James W. Nicol. |
| Ritzville | Adams | 1,825 | 11 | | | | | | | | 0.65 | + 0.17 | 0.46 | 0.0 | 4 | | | | | Northern Pacific Ry. |
| Rock Lake | Whitman | 1,750 | 4 | 62.2 | | 97 | 9 | 34 | 22 | 46 | 0.40 | | 0.38 | 0.0 | 2 | 10 | 13 | 7 | w. | P. M. Ramsey. |
| Rosalia | ...do | 2,425 | 18 | 60.0 | + 2.3 | 91 | 10 | 37 | 2† | 41 | 0.28 | − 0.78 | 0.16 | 0.0 | 3 | 20 | 6 | 4 | sw. | Hans Mumm. |
| Russells Ranch | Yakima | 2,870 | 1 | | | | | | | | | | | | | | | | | Maggie M. Russell. |
| Scenic Hot Springs | King | 2,021 | | | | | | | | | | | | | | | | | | J. V. Prosser. |
| Seattle | ...do | 123 | 19 | 57.5 | − 2.6 | 84 | 10 | 46 | 2 | 30 | 0.82 | − 0.90 | 0.34 | 0.0 | 8 | 5 | 10 | 15 | s. | U. S. Weather Bureau. |
| Sedro-Wooley | Skagit | 38 | 13 | 59.6 | + 0.2 | 88 | 10 | 36 | 27 | 44 | 3.04 | + 0.14 | 1.10 | 0.0 | 9 | 10 | 14 | 6 | | Mrs. H. L. Devin. |
| Sixprong | Klickitat | 1,240 | 3 | 65.7 | | 99 | 10 | 40 | 8† | 47 | 0.42 | | 0.13 | 0.0 | 4 | 17 | 5 | 8 | sw. | C. E. Comstock. |
| Skagit Power Dam | Whatcom | 123 | | | | | | | | | | | | | | | | | | Skagit Power Co. |
| Snohomish | Snohomish | 50 | 16 | 57.2 | − 2.1 | 89 | 10 | 33 | 3 | 45 | 2.27 | − 0.10 | 1.00 | 0.0 | 10 | 8 | 9 | 13 | nw. | Warren Hodge. |
| Snoqualmie Falls | King | 667 | 11 | 59.9 | + 0.5 | 90 | 10 | 37 | 3 | 46 | 1.80 | − 1.07 | 0.60 | 0.0 | 8 | 17 | 1 | 12 | | O. N. Wiswell. |
| Snyders Ranch | Okanogan | 2,200 | 1 | | | | | | | | 0.18 | | 0.13 | 0.0 | 2 | 16 | 14 | 0 | e. | Geo. M. Snyder. |
| South Bend | Pacific | 16 | 15 | 54.0 | − 3.5 | 81 | 10 | 40 | 3† | 34 | 3.12 | − 0.69 | 1.45 | 0.0 | 11 | 3 | 17 | 10 | w. | Miss Winifred Eichner. |
| Spokane | Spokane | 1,943 | 29 | 61.4 | − 2.0 | 90 | 10 | 41 | 4 | 26 | 0.21 | − 1.40 | 0.10 | 0.0 | 4 | 8 | 12 | 10 | sw. | U. S. Weather Bureau. |
| State University | King | 170 | 1 | 57.2 | | 85 | 10 | 45 | 3 | 32 | 0.86 | | 0.33 | 0.0 | 6 | 7 | 8 | 15 | sw. | University of Washington. |
| Stokes Ranch | Okanogan | 2,670 | 1 | | | | | | | | 0.49 | | 0.28 | 0.0 | 4 | 16 | 7 | 7 | nw. | Amos Stokes. |
| Sullivan Lake | Stevens | 2,700 | | | | | | | | | 1.27 | | 0.66 | 0.0 | 8 | 16 | 4 | 10 | | U. S. Forest Service. |
| Sumner | Pierce | 77 | 2 | 57.8 | | 86 | 10 | 35[b] | 3 | 44[b] | 1.49 | | 0.52 | 0.0 | 6 | 10 | 8 | 12 | n. | H. E. Thompson |
| Sunnyside | Yakima | 740 | 15 | 64.2 | − 1.1 | 98 | 10 | 36 | 2† | 49 | 0.53 | + 0.17 | 0.24 | 0.0 | 3 | 18 | 7 | 5 | nw. | U. S. Reclamation Service. |
| Tacoma | Pierce | 213 | 24 | 57.2 | − 2.2 | 86 | 10 | 44 | 3 | 34 | 0.90 | − 1.23 | 0.47 | 0.0 | 7 | 9 | 8 | 13 | n. | U. S. Weather Bureau. |
| Tatoosh Island | Clallam | 86 | 25 | 52.2 | − 0.8 | 65 | 4 | 46 | 3 | 17 | 1.73 | − 2.45 | 0.51 | 0.0 | 11 | 5 | 9 | 16 | sw. | Do. |
| Tieton | Yakima | 2,000 | 1 | 58.1 | | 89 | 10 | 35 | 20 | 43 | 0.46 | | 0.35 | 0.0 | 4 | 21 | 9 | 0 | w. | U. S. Reclamation Service. |
| Touchet | Walla Walla | 556 | 3 | 65.8 | | 101 | 10 | 38 | 3† | 53 | 0.57 | | 0.40 | 0.0 | 5 | 15[a] | 2[a] | 12[a] | sw. | D. W. Dorrance. |
| Touchet Ridge | Columbia | 2,500 | 1 | | | | | | | | 1.44 | | 0.48 | 0.0 | 5 | 18 | 12 | 0 | sw. | R. H. King. |
| Trinidad | Grant | 900 | 6 | 68.1 | | 99 | 10 | 45 | 20 | 40 | T. | | T. | 0.0 | 0 | 27 | 3 | 0 | nw. | J. C. Wheeler. |
| Twisp | Okanogan | 1,619 | 7 | | | | | | | | | | | | | | | | | J. S. Allen, jr. |
| Tyee | Chelan | 2,000 | 1 | | | | | | | | 1.17 | | 1.05 | 0.0 | 3 | 13 | 13 | 4 | w. | Elias McCrea. |
| Vancouver | Clarke | 100 | 35 | 61.1 | − 1.2 | 96 | 10 | 39 | 3 | 43 | 1.20 | − 0.69 | 1.02 | 0.0 | 5 | 10 | 11 | 9 | nw. | A. A. Quarnberg. |
| Vashon Island | King | 110 | 21 | 56.2 | − 2.2 | 77 | 4† | 40 | 3 | 35 | 0.76 | − 1.11 | 0.33 | 0.0 | 7 | 11 | 7 | 12 | s. | Miss Gertrude McClintock |
| Wahluke | Grant | 410 | 6 | 67.5 | | 98[a] | 10 | 40[a] | 8 | 44 | 0.42 | | 0.22 | 0.0 | 2 | 16 | 6 | 8 | | F. C. Koppen. |
| Wallace | Okanogan | 4,000 | 1 | | | | | | | | 1.18 | | 0.31 | 0.0 | 8 | 9 | 17 | 4 | s. | G. A. Wallace. |
| Walla Walla | Walla Walla | 1,000 | 26 | 65.2 | − 3.0 | 102 | 10 | 42 | 2 | 45 | 0.63 | − 0.56 | 0.52 | 0.0 | 5 | 20 | 6 | 4 | s. | U. S. Weather Bureau. |
| Waterville | Douglas | 2,624 | 20 | 58.0 | − 1.4 | 91[b] | 10 | 34[a] | 8† | 45[b] | T. | − 0.96 | T. | 0.0 | 0 | 19 | 9 | 2 | w. | O. R. Hopewell. |
| Wenatchee (near) | Chelan | 1,169 | 11 | 61.0 | − 0.9 | 89 | 10 | 40 | 21 | 34 | 0.25 | − 0.69 | 0.13 | 0.0 | 3 | 19 | 9 | 2 | w. | Geo. A. Pitcher. |
| West Branch | Stevens | 2,600 | | | | | | | | | | | | | | | | | | U. S. Forest Service. |
| Wilbur | Lincoln | 2,203 | 11 | 57.9 | − 0.5 | 92 | 10 | 29 | 21 | 48 | 0.60 | − 0.47 | 0.31 | 0.0 | 3 | 16 | 7 | 7 | s. | Rollin J. Reeves. |
| Yale | Cowlitz | 375 | 3 | 58.0 | | 92 | 10 | 38 | 8 | 41 | 2.68 | | 1.69 | 0.0 | 6 | 12 | 6 | 12 | sw. | L. F. Williams. |
| Zindel | Asotin | 715 | 8 | | | | | | | | | | | | | | | | | M. W. Zindel. |
| *Oregon.* | | | | | | | | | | | | | | | | | | | | |
| Albany | Linn | 214 | 28 | 57.8 | − 3.7 | 92 | 10 | 38 | 2 | 42 | 1.16 | − 0.19 | 0.76 | 0.0 | 6 | 10 | 12 | 8 | s. | F. M. French. |
| Ashland | Jackson | 1,940 | 22 | 62.1 | − 0.3 | 90 | 9 | 42 | 2† | 41 | 0.22 | − 0.85 | 0.15 | 0.0 | 2 | 11 | 13 | 6 | w. | F. H. Carter. |
| Astoria | Clatsop | 11 | 48 | 55.6 | − 2.4 | 75 | 10 | 44 | 3 | 23 | 3.45 | + 0.35 | 1.68 | 0.0 | 8 | 12 | 10 | 8 | nw. | Irving Club. |
| Baker City | Baker | 3,466 | 20 | | | | | | | | | | | | | | | | | U. S. Weather Bureau. |
| Bay City | Tillamook | 14 | 15 | 53.4 | − 2.7 | 68 | 10 | 36 | 3 | 30 | 1.72 | − 3.10 | 0.56 | 0.0 | 9 | 10 | 8 | 12 | nw. | J. O. Bozarth. |
| Bend | Crook | 3,629 | 8 | | | | | | | | | | | | | | | | | F. O. Minor. |
| Birch Creek | Wheeler | 2,900 | 1 | 61.0[k] | | 94[k] | 10 | 35[k] | 2 | 39[k] | 0.64[e] | | 0.46[e] | 0.0 | 3[a] | 14[f] | 9[f] | 1[f] | nw.[a] | F. S. Matteson. |
| Black Butte | Lane | 1,200 | 9 | 55.0 | | 87 | 10 | 35 | 2 | 38 | 1.95 | | 1.25 | 0.0 | 4 | 19 | 8 | 3 | ne. | William Harris. |
| Blalock | Gilliam | 235 | 11 | 68.6 | − 1.8 | 101 | 10 | 46 | 8† | 43 | 0.26 | − 0.30 | 0.18 | 0.0 | 2 | 20 | 9 | 1 | w. | Geo. W. Long. |
| Buckhorn Farm | Josephine | 1,300 | 12 | | | | | | | | | | | | | | | | | E. F. Meissner. |
| Cascade Locks | Hood River | 100 | 19 | 60.2 | − 1.9 | 91 | 10 | 40 | 3 | 38 | 2.13 | − 0.44 | 1.20 | 0.0 | 8 | 18 | 5 | 7 | w. | Val. W. Tompkins. |
| Casadero | Clackamas | 514 | 1 | 58.6 | | 91 | 10 | 36 | 3 | 50 | 1.61 | | 1.03 | 0.0 | 8 | 9 | 4 | 17 | nw. | Alf Drill. |
| Condon | Gilliam | 2,888 | 2 | 57.1 | | 87 | 10 | 31 | 3 | 44 | 1.50 | | 0.55 | 0.0 | 8 | 17 | 12 | 1 | ne. | C. H. Williams. |
| Connor Creek | Baker | 1,800 | | | | | | | | | | | | | | | | | | R. C. Eisele. |
| Corvallis | Benton | 600 | 21 | 58.2 | − 1.6 | 90 | 10 | 38 | 2 | 39 | 1.73 | + 0.54 | 0.94 | 0.0 | 3 | 15 | 10 | 6 | sw. | Oregon Agricultural Coll. |
| Dayville | Grant | 1,500 | 15 | 63.0 | + 1.1 | 98 | 10 | 34 | 21 | 56 | 0.42 | − 0.33 | 0.27 | 0.0 | 3 | 19 | 6 | 5 | nw. | Dr. Campbell-Martin. |
| Doraville | Columbia | 600 | 8 | 55.4 | | 91 | 10 | 39 | 8 | 40 | 2.16 | | 0.75 | 0.0 | 9 | 9 | 7 | 14 | nw. | Jos. Hackenberg. |
| Drain | Douglas | 300 | 7 | 59.0 | | 96 | 10 | 35 | 3 | 49 | 1.12 | | 0.49 | 0.0 | 7 | 9 | 14 | 7 | nw. | Ira Wimberly. |
| Echo | Umatilla | 625 | 5 | 65.8[e] | | 101[e] | 10 | 40[e] | 3† | 47[e] | 0.43 | | 0.38 | 0.0 | 2 | 20[e] | 4[e] | 3[e] | w. | R. B. Stanfield. |
| Ella | Morrow | 830 | 5 | 65.0 | | 98 | 10 | 40 | 1† | 50 | 0.27 | − 0.33 | 0.15 | 0.0 | 5 | 18 | 11 | 1 | sw. | C. F. Troedson. |
| Eugene | Lane | 449 | 20 | 57.9 | − 1.6 | 89 | 11 | 39 | 2† | 37 | 1.03 | − 0.45 | 0.56 | 0.0 | 17 | 13 | 8 | 9 | nw. | F. L. Barker. |
| Fairview | Coos | 142 | 12 | 52.6 | − 3.8 | 72 | 18 | 32 | 1 | 31 | 2.26 | + 0.63 | 0.75 | 0.0 | 6 | 12 | 0 | 18 | nw. | William Bettys. |
| Falls City | Polk | 355 | 12 | | | | | | | | | | | | | | | | | Chas. F. Vick. |
| Forest Grove | Washington | 220 | 20 | | | | | | | | | | | | | | | | | Pacific University. |
| Gardiner | Douglas | 72 | 20 | 59.6 | + 1.9 | 74 | 8 | 41 | 7† | 28 | 1.45 | − 0.94 | 0.48 | 0.0 | 6 | 12 | 10 | 8 | | Hon. J. S. Gray. |
| Glendale | ...do | 1,441 | 5 | 59.4 | | 94 | 10 | 38 | 16† | 46 | 0.90 | | 0.60 | 0.0 | 4 | 14 | 15 | 1 | nw. | C. Olson. |
| Glenora | Tillamook | 575 | 18 | 54.8 | + 2.4 | 90 | 10 | 33 | 3 | 47 | 2.32 | − 1.42 | 0.97 | 0.0 | 7 | 11 | 2 | 17 | sw. | Mrs. Jennie Reeher. |
| Gold Beach | Curry | 40 | 8 | 52.8 | | 68 | 23 | 38 | 3† | 29 | 2.26 | | 1.02 | 0.0 | 7 | 17 | 1 | 12 | nw. | C. Dewey. |
| Granite | Grant | 4,680 | 4 | 53.2 | | 85 | 10 | 24 | 8 | 52 | T. | | T. | 0.0 | 0 | 6 | 19 | 5 | nw. | L. M. Ford. |
| Grants Pass | Josephine | 956 | 21 | 60.6 | − 1.7 | 94 | 9† | 33 | 23 | 54 | 0.34 | − 0.60 | 0.17 | 0.0 | 6 | 13 | 7 | 10 | sw. | John B. Paddock. |
| Grass Valley | Sherman | 2,381 | 8 | 54.3 | | 92 | 11 | 29 | 3 | 49 | 0.62 | | 0.15 | 0.0 | 3 | 19 | 7 | 4 | sw. | Oreg. Ry. & Navigation Co |
| Greenleaf | Lane | 250 | 10 | | | | | | | | | | | | | | | | | Wm. H. Wheeler. |
| Grindstone | Crook | 5,000 | | | | | | | | | | | | | | | | | | Orrin C. Mills. |
| Headworks | Clackamas | 719 | 4 | 57.6 | | 93 | 10 | 37 | 3 | 43 | 2.59 | − 1.03 | 1.60 | 0.0 | 5 | 10 | 18 | 1 | sw. | Portland Water Works. |
| Heppner | Morrow | 1,950 | 21 | 60.7 | + 0.1 | 95 | 10 | 35 | 2 | 42 | 0.58 | − 0.46 | 0.45 | 0.0 | 4 | 16 | 5 | 9 | nw. | Ralph Kenton. |
| Hermiston | Umatilla | 450 | 3 | 67.3 | | 101 | 10 | 40 | 13 | 51 | 0.49 | | 0.43 | 0.0 | 2 | 26 | 3 | 1 | | C. W. Kellogg. |
| Hood River | Hood River | 243 | 19 | 62.2 | + 1.4 | 95 | 10 | 36 | 5 | 50 | 0.60 | − 0.38 | 0.40 | 0.0 | 2 | 23 | 7 | 0 | w. | H. L. Hasbrouck. |
| Huntington | Baker | 2,110 | 9 | 78.6 | | 100 | 25 | 57 | 15 | 32 | 0.00 | | 0.00 | 0.0 | 0 | 13 | 11 | 6 | se. | J. M. Day. |
| Jacksonville | Jackson | 1 640 | 21 | 61.4 | − 1.1 | 94 | 10 | 37 | 23 | 46 | 0.44 | − 0.58 | 0.33 | 0.0 | 3 | 17 | 5 | 8 | | E. Britt. |

TABLE 1.—*Climatological data for June, 1910. District No. 12*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Number of rainy days, .01 inch or more. | Sky. | | | Prevailing wind direction. | Observers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean. | Departure from the normal | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Oregon*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Joseph | Wallowa | 4,400 | 21 | 54.4 | + 0.1 | 85 | 10 | 28 | 8 | 40 | 1.14 | − 0.68 | 0.40 | 0.0 | 5 | 18 | 5 | 7 | s. | F. F. McCully. |
| Le Grande | Union | 2,784 | 24 | 60.8 | + 1.3 | 93 | 25 | 35 | 8 | 48 | 0.46 | − 1.04 | 0.32 | 0.0 | 5 | 21 | 4 | 5 | nw. | W. A. Worstell. |
| Madras | Crook | 2,150 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Robert Rea. |
| Marshfield | Coos | 12 | 6 | 54.8 | ..... | 69 | 9† | 39 | 2 | 28 | 1.61 | ..... | 0.76 | 0.0 | 7 | ..... | ..... | ..... | nw. | Mrs. E. I. Mingus. |
| McKenzie Bridge | Lane | 1,400 | 7 | 57.2 | ..... | 97 | 10 | 31 | 2† | 55 | 2.73 | ..... | 0.66 | 0.0 | 9 | 14 | 0 | 16 | sw. | Geo. Friesell. |
| McMinnville | Yamhill | 180 | 22 | 57.9 | − 1.8 | 90 | 10 | 37 | 3† | 48 | 1.25 | − 0.29 | 1.08 | 0.0 | 3 | 9 | 5 | 16 | sw. | J. H. Pruett. |
| Mikkalo | Gilliam | 1,600 | 4 | 60.8 | ..... | 95 | 10 | 35 | 21 | 46 | 0.69 | ..... | 0.30 | 0.0 | 4 | 24 | 6 | 0 | w. | Frank Little. |
| Miramonte Farm | Clackamas | 195 | 21 | 60.0 | − 0.4 | 92[b] | 10 | 38[b] | 12 | 42[b] | 1.20 | − 0.25 | 0.92[b] | 0.0 | 4[b] | 7[a] | 13[a] | 9[a] | w. | G. M. Muecke. |
| Monroe | Benton | 350 | 13 | 58.0 | − 1.5 | 90 | 10 | 36 | 2 | 41 | 0.77 | − 0.35 | 0.59 | 0.0 | 7 | 11 | 9 | 10 | sw. | L. A. Peck. |
| Mount Angel | Marion | 485 | 24 | 59.6 | − 2.0 | 89 | 10 | 42 | 12 | 32 | 1.39 | − 0.67 | 1.34 | 0.0 | 2 | 10 | 11 | 9 | s. | Dr. W. F. Fisher. |
| Mount Hood | Hood River | 1,650 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | S. G. Babson. |
| Mountain Park | ...do | 1,550 | 4 | 57.3 | ..... | 88[a] | 10 | 36[a] | 3 | 40[a] | 1.77 | ..... | 0.77 | 0.0 | 5 | 11 | 4 | 14 | w. | M. Markley. |
| Musick | Douglas | 5,000 | ..... | 45.3 | ..... | 79 | 10 | 21 | 23 | 46 | 4.55 | ..... | 1.22 | 0.0 | 9 | 17 | 3 | 10 | sw. | Alex. Lundburg. |
| Newport | Linton | 69 | 22 | 55.2 | − 0.6 | 68 | 31 | 40 | 3 | 23 | 1.95 | − 0.90 | 1.18 | 0.0 | 9 | 15 | 5 | 10 | nw. | WilliamMatthews. |
| Pendleton | Umatilla | 1,272 | 20 | 63.0 | − 1.2 | 104 | 10 | 34 | 3 | 62 | 0.58 | − 0.36 | 0.37 | 0.0 | 5 | 18 | 11 | 1 | sw. | H. F. Johnson. |
| Pilot Rock | ...do | 1,872 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | John P. McManus. |
| Pompeii | Clackamas | 3,580 | 15 | 48.2 | − 0.9 | 83 | 10 | 30 | 8 | 39 | 3.52 | − 0.28 | 1.35 | 0.0 | 8 | 7 | 10 | 13 | sw. | O. C. Yocum. |
| Portland | Multnomah | 57 | 38 | 60.3 | − 1.2 | 94 | 10 | 44 | 3 | 36 | 1.61 | − 0.04 | 1.34 | 0.0 | 7 | 8 | 16 | 6 | nw. | U. S. Weather Bureau. |
| Prineville | Crook | 3,000 | 13 | 58.0 | − 0.2 | 95 | 10 | 28 | 2 | 52 | 0.64 | − 0.17 | 0.28 | 0.0 | 4 | 11 | 9 | 10 | ..... | ..... |
| Prospect | Jackson | 2,750 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | E. F. Graham. |
| Ramsey | Wasco | 1,350 | ..... | 56.0 | ..... | 89 | 10 | 31 | 8 | 47 | 1.39 | ..... | 0.58 | 0.0 | 6 | 22 | 5 | 3 | w. | Mrs. Iva B. Collins. |
| Range | Grant | 3,500 | 1 | 51.3 | ..... | 93 | 12 | 20 | 2† | 66 | 0.92 | ..... | 0.42 | 0.0 | 5 | 20 | 5 | 5 | ..... | Craig Thom. |
| Richland | Baker | 2,350 | 8 | 63.8 | ..... | 97 | 26 | 35 | 8 | 52 | 0.10 | ..... | 0.10 | 0.0 | 1 | 22 | 5 | 3 | w. | C. G. Morgan. |
| Riverside | Malheur | 3,000 | 11 | 66.0 | + 3.6 | 102 | 28 | 30 | 21 | 63 | 0.00 | − 0.83 | 0.00 | 0.0 | 0 | 28 | 2 | 0 | w. | Mrs. Leah Fairman. |
| Roseburg | Douglas | 523 | 33 | 59.7 | − 1.0 | 94 | 10 | 39 | 23 | 46 | 1.09 | − 0.01 | 0.48 | 0.0 | 8 | 10 | 14 | 6 | nw. | U. S. Weather Bureau. |
| Salem | Marion | 120 | 20 | 59.9 | − 1.3 | 87 | 10 | 42 | 12 | 34 | 1.19 | − 0.09 | 1.00 | 0.0 | 3 | 11 | 3 | 16 | nw. | M. P. Baldwin. |
| Siskiyou | Jackson | 4,115 | 1 | 54.2 | ..... | 84 | 9† | 32 | 20 | 37 | 0.46 | ..... | 0.18 | 0.0 | 4 | 15 | 8 | 7 | e. | Lewis F. Bates. |
| Sparta | Baker | 4,150 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Hon. J. A. Wright. |
| Stafford | Clackamas | 400 | 13 | 58.6 | − 1.3 | 93 | 10 | 38 | 13 | 39 | 1.65 | − 0.14 | 1.19 | 0.0 | 7 | ..... | ..... | ..... | sw. | John P. Gage. |
| The Dalles | Wasco | 112 | 35 | 64.5 | − 1.9 | 96 | 10 | 43 | 3† | 43 | 0.72 | + 0.17 | 0.39 | 0.0 | 3 | 23 | 1 | 6 | w. | S. L. Brooks. |
| The Heads | Curry | 300 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Willis T. White. |
| Toledo | Linton | 50 | 20 | 57.1 | + 0.7 | 76 | 2† | 44 | 1 | 30 | 1.95 | − 1.21 | 1.10 | 0.0 | 3 | 22 | 5 | 3 | n. | C. B. Crosno. |
| Umatilla | Umatilla | 340 | 14 | 67.8 | − 0.9 | 98 | 10 | 42 | 2 | 42 | 0.90 | + 0.58 | 0.83 | 0.0 | 2 | 22 | 2 | 6 | w. | Mrs. Helen T. Duncan. |
| Vale | Malheur | 2,450 | 18 | 66.2 | + 2.8 | 105 | 26 | 33 | 9 | 64 | 0.07 | − 0.64 | 0.05 | 0.0 | 2 | 24 | 6 | 0 | ne. | H. P. Osborn. |
| Van | Harney | 3,506 | 4 | 60.8 | ..... | 97 | 25 | 28 | 8 | 62 | 0.05 | ..... | 0.05 | 0.0 | 1 | 17 | 13 | 0 | nw. | Geo. Howe. |
| Wallace Orchard | Polk | 170 | 1 | 58.4 | ..... | 90 | 10 | 38 | 12 | 41 | 1.48 | ..... | 1.10 | 0.0 | 3 | ..... | ..... | ..... | ..... | Chas. A. Parks. |
| Wallowa | Wallowa | 2,935 | 7 | 58.1 | ..... | 94 | 10 | 30 | 8 | 54 | 0.31 | ..... | 0.07 | 0.0 | 6 | 14 | 4 | 12 | nw. | L. J. Coverstone. |
| Wasco | Wasco | 1,500 | 2 | 62.1 | ..... | 90 | 10 | 46 | 9 | 42 | 0.71 | ..... | 0.28 | 0.0 | 6 | 20 | 5 | 5 | w. | A. J. Swift. |
| Warmspring | Crook | 1,600 | 8 | 59.0 | ..... | 97 | 10 | 36 | 7† | 61 | 0.82 | ..... | 0.32 | 0.0 | 4 | 25 | 5 | 0 | nw. | C. C. Covey. |
| Weston | Umatilla | 1,800 | 20 | 64.5 | + 3.9 | 102 | 9 | 37 | 2† | 53 | 0.85 | − 0.47 | 0.60 | 0.0 | 5 | 13 | 9 | 8 | sw. | M. A. Baker. |
| Williams | Josephine | 1,368 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. M. John. |

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
‖ Estimated by observer.
‖‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1910. District No. 12, Columbia Valley.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Montana.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anaconda | Missoula | | T. | | | .02 | .04 | .32 | | | | T. | | T. | T. | | .23 | | | T. | | .05 | * | .36 | | | | | | T. | .02 | | 1.04 |
| Bison Mountain | ...do | | .01 | | | .02 | .10 | .27 | .71 | | | | | | .17 | | .29 | | | | | .38 | .05 | .28 | .15 | | | | .10 | | | | 2.53 |
| Columbia Falls | Flathead | | .50 | | | | T. | | .10 | | | | | | | | | .62 | | | | | .34 | | .17 | | | | | | | | 1.73 |
| Como | Bitter Root | | | | | .07 | .08 | .13 | | | | | | | .08 | .03 | .16 | .01 | | | | .13 | | .19 | | .01 | | | | | .07 | | 0.96 |
| Darby | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dayton | Flathead | | | | .20 | | | .13 | | | | | | | | | | .20 | | | T. | | | .20 | | | | | | | | | 0.73 |
| East Anaconda[‖] | Missoula | | T. | | | .06 | .17 | .21 | | | | | | T. | T. | | .15 | | | T. | .11 | | .22 | .14 | | | | | | | .12 | | 1.18 |
| Fortine | Flathead | T. | T. | .05 | | | | T. | | | | | | | | | | .34 | T. | | .15 | .08 | T. | | | | | | T. | | .02 | | 0.64 |
| Hamilton | Bitter Root | | | | | | .10 | .07 | .02 | | | | | | | | .04 | | | | | .16 | .20 | | | | | | | | | | 0.59 |
| Hat Creek | Missoula | | .04 | | | | .09 | .46 | .56 | | | | .04 | .03 | | .03 | | .05 | | | | .68 | .42 | .25 | | | | | | | .10 | | 2.75 |
| Kalispell | Flathead | | T. | .15 | .01 | T. | .01 | T. | .02 | | | | | | | | .06 | .01 | T. | T. | T. | .03 | T. | .10 | | | | | | | .01 | | 0.40 |
| Lost Creek | Missoula | | | | | | .48 | .15 | | | | | | | | | T. | | | | | | .42 | .15 | | | | | | | .40 | | 1.60 |
| McGinnis Meadows | Kootenai | | T. | T. | | T. | .45 | T. | T. | | | | | | | | T. | .20 | | | T. | T. | T. | | | | | | T. | | T. | | 0.65 |
| Missoula | Missoula | | | T. | | T. | .07 | .06 | | | | | | | | | .08 | .19 | .04 | | | T. | | .20 | | | | | .03 | | | | 0.67 |
| Ophir | ...do | | T. | | | | .09 | | .75 | | | .07 | | | T. | .19 | .10 | | | | | .35 | | .31 | | | | | | | .17 | | 2.03 |
| Ovando | ...do | | T. | T. | | | .10 | .20 | .21 | | | .18 | | | T. | | T. | T. | .08 | | | .50 | .06 | .20 | | | T. | | | | .15 | | 1.68 |
| Philipsburg | ...do | | | | | .17 | .12 | .17 | .34 | | | T. | T. | | | T. | T. | .15 | T. | | | .33 | .03 | .40 | | | | | T. | | .42 | | 2.13 |
| Plains | Columbia | | T. | | | T. | | T. | | | | | | | | T. | T. | | | | T. | | T. | | | | | | | | | T. |
| Pleasant Valley | Kootenai | | .06 | .01 | | | .15 | | | | | | | | | | | .15 | .03 | | .03 | .03 | | | | | | | T. | | T. | | 0.46 |
| Polson | Flathead | | | | | | .56 | | .16 | | | | | | | | | .20 | | | | | | .40 | | | | | | | | | 1.32 |
| St. Ignatius | ...do | | .07 | .03 | | | .07 | .35 | .01 | | | | | | | | | .29 | .03 | | | .04 | | .44 | | | | | | | | | 1.33 |
| St. Regis | Missoula | | | | | | .17 | | | | | | | | | | | .09 | | | | | | | | | | | | | | | 0.26 |
| Saltese | ...do | | | | | | | | | | | | | | | | | | | | .30 | | | | | | | | | | | | 0.30 |
| Snowshoe | Kootenai | | .12 | .05 | | | .05 | | .03 | | | .04 | .06 | | | | | .19 | .02 | .01 | .52 | .12 | | T. | | | | | T. | | T. | | 1.21 |
| Troy | ...do | | .05 | T. | | | | | | | | | | | | | | T. | T. | T. | .50 | | | | | | | | | | | 0.55 |
| Upper Lake McDonald | Flathead | | | .09 | | | .25 | T. | | | | | | | | | | .34 | | | .23 | .02 | | .27 | | | | | .03 | | T. | | 1.23 |
| *Wyoming.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Afton | Snake | | | | | | | | | | | | | | .12 | | .05 | | | | | | | | | | | | | .12 | | | 0.29 |
| Alta | ...do | | | | | | | .08 | | | | | | | | | | | | | | | | | | | | | | .08 | .04 | | 0.20 |
| Bedford | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .04 | | | 0.04 |
| Snake River | ...do | | | | | | | T. | | | | | | | | | T. | | | | | | | | | | | | .10 | | | | 0.10 |
| *Nevada.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| San Jacinto | Snake | | | | | | .02 | | | | | | | | | T. | .07 | | | | | | | | | | | | | T. | | | 0.09 |
| *Utah.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standrod | Raft | | | | | | | T. | | | | | | | | | .09 | .32 | | | | | | | | | | | T. | | | | 0.41 |
| *Idaho.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atlanta | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Albion | Upper Snake | | | | | | | | | | | | | | | | .24 | | | | | | | | | | | | | | | | |
| Almo | ...do | | | | | | | | | | | | | | | | .20 | | | | | | | | | | | | | | | | 0.24 |
| American Falls | ...do | | | | | | | | | | | | | | | | | .10 | | | | | | | | | | | .10 | | | | 0.20 |
| Blackfoot[‖] | ...do | | | | | | .10 | T. | | | | | | | | | T. | | | | | | | | | | | T. | | T. | | | 0.20 |
| Blackfoot Dam | ...do | | | | | | T. | .02 | | | | | T. | | | | T. | T. | | | | | | | | | | | | .19 | | | 0.10 |
| Blanche | Middle Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.21 |
| Bock's Ranch | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bogus Creek | Payette | | | | | | T. | .04 | | | | | | | | | .42 | | | | | | .02 | | | | | | | | | | 0.48 |
| Boise | Boise | | | | | | T. | .04 | | | | | | | | | .26 | | | | | | T. | | | | | | | | | | 0.30 |
| Bonners Ferry | Upper Columbia | | | | T. | T. | | .05 | .02 | | .08 | .13 | | | | | | | | .31 | .70 | | | | | | | | | | .08 | | 1.37 |
| Boulder Mine | Boise | | | | | | | .20 | | | | T. | | | | | .15 | | | | | | | | | | | | | | | | 0.35 |
| Buhl | Upper Snake | | | | T. | T. | | | | | | | | | | .25 | | | | | | | | | | | | | | | | | 0.25 |
| Burke | Upper Columbia | | T. | | | | T. | | | | | | | | | | | .34 | .22 | T. | .17 | .16 | | | | | | | | | | | 0.89 |
| Caldwell | Boise | | | | | T. | .03 | | | | | | | | | | | | | | | | | | | | | | | | | | 0.03 |
| Camas | Lost River Region | | | | | | T. | T. | | | | | | | T. | | | | | | | | | | | | | | | | .01 | | 0.01 |
| Cambridge | Middle Snake | | | | | | | .04 | | | | | | | | | .04 | | | | | | | T. | | | | | | | | | 0.08 |
| Chesterfield | Upper Snake | | | | | | T. | .03 | | | | | | | | | T. | | | | | | | | | | | | T. | | | | 0.03 |
| Clawson | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cœur d'Alene | Upper Columbia | | | | | | | | | | | | | | | | | .30 | | | .21 | | | | | | | | | | | | 0.51 |
| Cottonwood Creek | Boise | | | | | | | | | | | | | | | | .25 | | | | | | | | | | | | | | | | 0.25 |
| Crawford | Payette | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Culdesac | Clearwater | | | | | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | T. |
| Deary | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dent | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Driggs | Upper Snake | | | | | | .04 | T. | | | | | | | | | | | | | | | | | | | | | T. | .10 | | | 0.14 |
| Edie | Lost River Region | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | | | | T. |
| Edwardsburg | Salmon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Emmett[‖] | Payette | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Forney | Salmon | | | | | | | .20 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Garden Valley | Payette | | | | | | T. | .10 | | | | | | | | | .16 | | | | | | T. | | | | | | | | | | 0.20 |
| Garnet | Middle Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.26 |
| Gilbert | Clearwater | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glenns Ferry | Middle Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gooding | Wood-Malad | | | | | | | | | | | | | | | | .08 | | | | | | | | | | | | | | | | 0.08 |
| Grand Forks | Upper Columbia | | | | | | | | | | | | | | | | | .14 | .12 | | | | | | | | | | | | | | 0.26 |
| Grandview | Middle Snake | | | | | | .11 | .02 | | | | | | | | | .14 | | | | | | | | | | | | | | | | 0.27 |
| Green Timber | Upper Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grimes Pass[‖] | Boise | | | | T. | | | | | T. | | | | | | | .12 | | | | | | | | | | | .01 | | | | | 0.13 |
| Guffey | Middle Snake | T. | | | | | .02 | .02 | | | | | | | | | .41 | | | | | | | | | | | | | | | | 0.45 |
| Hailey | Wood-Malad | | | | | | .03 | T. | | | | | | | T. | | .03 | | | | | | | | | | | | | | | | 0.06 |
| Hotspring | Middle Snake | | | | | | T. | T. | | | | | | | | | | | | | | | | | | | | | | | | | T. |
| Idaho City | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Idaho Falls | Upper Snake | | | | | | | .02 | T. | | | | | | | | | | | | | .01 | | | | | | | | .11 | | | 0.14 |
| Indian Valley[‖] | Middle Snake | | | | | | | .04 | | | | | | | | | .04 | | | | | | T. | | | | | | | | | | 0.08 |
| Irwin | Upper Snake | | | | | .17 | | | | | | | | | | T. | | | | | | | | | | | | | T. | | | | 0.17 |
| Kellogg[‖] | Upper Columbia | | | | | | | | .08 | | | | T. | | | | | .18 | .06 | | .24 | .05 | | | | | | | | | | | | 0.61 |
| Kirkham | Payette | | | | | | | .80 | | | | | | | | .06 | | | | | | | | | | | | | | | | | | 0.86 |
| Kooskia | Clearwater | | | | | | | T. | | | | | | | | | T. | .35 | .01 | | .17 | .22 | | | | | | | | | | | | 0.75 |
| Lake | Upper Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lakeview | Upper Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Landore | Middle Snake | | | | | T. | | T. | | | | | T. | | | | 11 | | | | | .04 | | | | | | | | | | | | 0.15 |
| Lewiston | Clearwater | | | | | | | T. | | | | T. | | | | | .08 | .38 | | .01 | .11 | .03 | | | | | | | | | | | | 0.61 |
| Little Camas | Boise | | | | | | | .02 | | | | T. | | | | .03 | | .04 | | | | | | | | | | | | | | | | 0.09 |
| Long Gulch | ...do | | | | | | .03 | | .25 | | | | | | | | .20 | | | | | | | | | | | | | | | | | 0.48 |
| Loon Creek | Salmon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lost River | Lost River Region | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lowry | Owyhee | | | | | | .05 | T. | | | | | | | | | .10 | | | | | | | | | | | | | | | | 0.15 |
| McCall | Payette | | | | | | | .21 | | | | | | | | | .10 | | | | | | T. | | | | | | | | | | 0.31 |
| Mackay[‖] | Lost River Region | | | | | | | | .13 | | | | | | | | T. | | | | | | | | | | | | | | | | 0.13 |
| Meadows | Salmon | | | | | | .45 | .12 | | | | | | | | | .22 | | | | | | T. | T. | | | | | | T. | | | 0.79 |
| Milner | Upper Snake | | | | | | | | | | | | | | | | .07 | | | | | | | | | | | | .24 | | | | 0.31 |
| Moscow | Upper Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ‡T. |
| Mountainhome | Middle Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Murtaugh[‖] | Upper Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Nez Perce[‖] | Clearwater | | | | | | | | | | | | | | | | .10 | | | | | | | | | | | | | | | | 0.10 |
| Oakley | Upper Snake | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | T. |
| O'Hara Bar | Clearwater | | | | | .05 | | | | | | .05 | | | | | | .03 | | | | | .10 | | | | | | | | | | 0.23 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 12*—Continued.

| Stations. | River basins | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Idaho*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Orofino | Clearwater | | | | | | | .01 | | | | | | | | | .12 | .03 | .01 | | .01 | | | | | | | | | | | | 0.18 |
| Payette | Payette | | | | | | | .06 | | | | | | | | | .07 | | | | | | T. | | | | | | | | | | 0.13 |
| Pebble | Upper Snake | | | | | | T. | T. | .06 | | | | | | | | T. | | | | | | | | | | | | .09 | | | | 0.15 |
| Pierson | Salmon | | | | | | | | .18 | | | | | | | | | | | | | | | | | | | T. | | | | | 0.18 |
| Pine | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Placerville | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pleasant Valley | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pocatello | Upper Snake | | | | | | | .01 | | | | | | | | | .04 | .02 | | | | | | | | | | | | T. | .01 | | 0.08 |
| Pocatello Nursery | ...do | | | | | | | .06 | | | | | | | | | .21 | | | | | | | | | | | | | | | | 0.27 |
| Poplar | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Porthill | Upper Columbia | | .39 | | | | .04 | .40 | .09 | | | | | | | | .21 | | | | .42 | | | | | | | | | | .05 | | 1.60 |
| Powers Ranch | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyle Creek | Payette | | | | | | | .02 | | | | | | | | | .15 | | | | | | | .05 | | | | | | | | 0.22 |
| Rattlesnake Creek | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ruby Creek | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rupert | Upper Snake | | | | | | | | | | | | | | | | .01 | T. | | | | | | | | | | | | | | | 0.01 |
| Salmon | Salmon | | | | | .06 | .21 | .15 | | | | T. | | | | T. | T. | | | | | T. | T. | T. | | | | | | T. | T. | | 0.42 |
| Salmon River Dam | Middle Snake | | | | | | T. | T. | | | | | | | T. | | .03 | .02 | | | | | | | | | | | T. | T. | | | 0.05 |
| Sheep Hill | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shoshone | Wood-Malad | | | | | | T. | | | | | | | | .01 | | T. | | | | | | | | | | | | | | | | 0.01 |
| Silver City | Owyhee | | | | | | .21 | .16 | | | | | | | | | .25 | | | | | | .05 | | | | | | | | | | 0.67 |
| Smith Prairie | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soldier | Wood-Malad | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar‖ | Upper Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .11 | | 0.11 |
| Sunnyside‖ | Middle Snake | | | | | | .07 | .11 | | | | | | | | | .10 | | | | | | | | | | | | | | | | 0.28 |
| Tilden | Upper Snake | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | T. |
| Tripod Mountain | Payette | | | | | | .11 | T. | | | | | | | | | .24 | | | | | | | | | | | | | | | | 0.35 |
| Twin Falls | Twin Falls | | | | | | | | | | | | | | | | .05 | | | | | | | | | | | | | .01 | | | 0.06 |
| Vernon | Upper Snake | | | | | | | | | | | | | | | | .05 | | | | | | | | | | | | | | | | 0.05 |
| Wallace | Upper Columbia | T. | T. | T. | | | | | .01 | | | .01 | .02 | | | | T. | .20 | .05 | T. | .19 | .18 | | T. | | | | | .05 | | | | 0.71 |
| Wendell | Upper Snake | | | | | | T. | T. | | | | | | | | | .05 | | | | | | | | | | | | | | | | 0.05 |
| *Washington.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aberdeen | Coast | | | | | | | | | | | .61 | | | | | | .28 | | .44 | 1.56 | .42 | | | | | | | | | | | 3.31 |
| Anacortes | Puget Sound | | | | | .03 | .07 | .02 | | | | .53 | | | | | | .07 | .01 | | | .13 | | | | | | | | | .05 | | 0.91 |
| Baker | ...do | | | | | .21 | | | | | | .72 | | | | | | | | .76 | .72 | | | | | | | | T. | | | | 2.41 |
| Bellingham | ...do | .14 | T. | | | .10 | .12 | .01 | | | | .64 | | | | | | .04 | | .50 | .05 | .19 | | | | | | | T. | | T. | | 1.79 |
| Blaine | ...do | T. | T. | | | .02 | .19 | | | | | .71 | T. | | | | | | T. | .65 | | .11 | .02 | | | | | | | | T. | | 1.70 |
| Blewett | Wenatchee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bremerton | Puget Sound | | | | | | | | | | | .10 | | | | | | .02 | .02 | | .36 | .06 | | .04 | | | | | | | .06 | | 0.66 |
| Brewster | Columbia | | .04 | | | | | T. | | | | T. | | | | | .11 | | T. | .05 | .02 | | | | | | | | T. | | | | 0.22 |
| Bumping Lake | Yakima | | | | | | | | | | | .56 | T. | | | | | | .60 | .36 | T. | T. | | | | | | | | | T. | | 1.52 |
| Cashmere | Wenatchee | | | | | | | | | | | .04 | | | | | | | T. | .17 | T. | | T. | | | | | | | T. | | | 0.21 |
| Cedar River | Puget Sound | .08 | | | | .05 | .08 | | | | .34 | | | | | | .06 | | | .68 | .06 | .07 | | | | | | | | | .32 | | 1.74 |
| Centralia | Coast | | .07 | | | | T. | | | | | .63 | | | | | | T. | | .75 | .09 | .15 | | | | | | | | .03 | .30 | | 2.02 |
| Cheney | Spokane | | | | | | | | | | | | | | | .90 | | | | .20 | | | | | | | | | | | | | 1.10 |
| Clealum | Yakima | .09 | | | | | | | | | | .25 | | | | | | | | .35 | | | | | | | | | | | | | 0.69 |
| Clearbrook | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clearwater | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Colfax | Palouse | | | | | | | | | | | | | | | | .15 | | T. | .05 | .17 | | | | | | | | | T. | | | 0.37 |
| Colville | Columbia | | .04 | | | | .06 | .63 | .12 | | | | | | | | .08 | .04 | | .10 | | | | | | | | | | .08 | | | 1.15 |
| Conconully | Okanogan | | .09 | T. | | T. | .04 | .19 | .07 | | | .04 | | | | .05 | | | .04 | .05 | T. | .02 | T. | | | | | | | | | | 0.59 |
| Cowiche | Yakima | | | | | | .06 | | | | | .31 | | | | | | | | .09 | .02 | | | .01 | | | | | | | | | 0.49 |
| Crescent | Spokane | | | | | | | | .14 | | | | | | | | 22 | | | | | | | | | | | | | T. | | | 0.36 |
| Davenport | Columbia | | | | | | | .24 | | | | | | | | | .23 | | T. | .03 | | | | | | | | | | | .23 | | 0.73 |
| Dayton | ...do | | | | | | | | | | | T. | | | | | .47 | | T. | T. | .07 | | T. | | | | | | | | | | 0.54 |
| Detroit | Puget Sound | | | | | | | .01 | | | | .31 | | | | | | | .05 | .64 | .10 | .06 | .02 | | | | | | | T. | .05 | | 1.24 |
| Dixie | Columbia | | | | | | | | | | | .17 | | | | | .60 | | | .10 | .11 | .05 | .12 | | | | | | | | | | 1.15 |
| Duckabush | Puget Sound | | .01 | | | | .03 | .01 | | | | .20 | .01 | .01 | | | | .02 | .45 | .10 | 1.52 | .05 | .03 | | | | | | | | .34 | | 2.78 |
| East Sound | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ellensburg | Yakima | | | .09 | | | | | | | | .20 | | | | | | | | .12 | | | .03 | | | | | | | | | | 0.44 |
| Ephrata | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Forks | Fort Simcoe | .02 | | | | | | | | | | .70 | | | | | | | .05 | .60 | .49 | .56 | | | | | | | | | .09 | | 2.51 |
| Fort Simcoe | Yakima | | | | | | | | | | | | | | | | | | | .30 | | | | | | | | | | | | | 0.30 |
| Goat Lake | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gold Creek | Yakima | | | | | | | | | | | .28 | | | | | | | | .49 | | | .03 | | | | | | | | | | 0.80 |
| Goldendale | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Granite Falls | Puget Sound | T. | | | | .10 | .17 | .19 | | | | 1.12 | .11 | | | | | | | .71 | .07 | .64 | | | | | | | | | .38 | | 3.49 |
| Hatton | Columbia | | | | | T. | | | | | | T. | | | | | .34 | | .01 | T. | | | | | | | | | | | .06 | | 0.41 |
| Huntsville | ...do | | | | | | | | | | | | | | | | 27 | | | | .05 | | | | | | | | | | | | 0.32 |
| Irene Mountain | ...do | | .03 | | | .02 | .03 | .37 | T. | | | .05 | | | | | .35 | .20 | T. | .12 | T. | | .11 | .06 | | | | | | | .31 | | 1.65 |
| Kennewick | ...do | | | | T. | T. | | | | | T. | | | | | | .20 | | | | | | | | | | | | | | .10 | | 0.30 |
| Kettle Falls | ...do | | .18 | | | | .28 | .70 | .15 | | | | | | | | .09 | .02 | | .16 | .07 | | | | | | | | | | .09 | | 1.70 |
| Kiona | Yakima | | | | | | | | | | | | | | | | .26 | | | | | | | | | | | | | | .05 | | 0.31 |
| Kosmos | Columbia | | | | | .05 | T. | | | | | .84 | .05 | | | | | | | .31 | .06 | .05 | | | | | | | | | .24 | | 1.60 |
| La Center | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| La Crosse | Palouse | | T. | | | T. | T. | | | | | T. | | | | | .17 | | .08 | T. | .04 | | | | | | | | | | T. | | 0.29 |
| Lake Clealum | Yakima | .02 | .13 | | | | | | | | | .23 | .10 | | | | | | | .34 | .04 | T. | .20 | T. | | | | | | | | | 1.06 |
| Lake Kachess | ...do | .11 | | | | | | | | | | .43 | .07 | | | | | | | .70 | .10 | .14 | | | | | | | | T. | | | 1.55 |
| Lake Keechelus | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lakeside | Columbia | | | | | | | | | | | .15 | | | | | | | | .01 | T. | | T. | | | | | | | | | | 0.16 |
| Laurel | ...do | | | | | .02 | | | | | | .42 | | | | | | | | .74 | .02 | | | | | | | | | | | | 1.20 |
| Laurier | Kettle | | .04 | .04 | | | .03 | .34 | .05 | .01 | | .08 | .03 | | | | .11 | .18 | | .10 | .19 | | T. | | | | | | | | .07 | | 1.27 |
| Lester | Puget Sound | | | | | | | .08 | | | | | | | | | | .35 | .10 | .15 | .08 | | | | | | | | | | | | 0.76 |
| Lone Tree | Coast | T. | T. | | | T. | T. | T. | | | | .54 | .02 | T. | | | T. | T. | .02 | .44 | .76 | .06 | | | .01 | T. | | | | | .06 | | 1.91 |
| Longmiresprings | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lost Creek | Columbia | | | | | | T. | .44 | | | | | | | | | | | | | | | | | | | | | | .25 | | | 0.69 |
| Lyle | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| McCumbers Ranch | ...do | | | | | | | | | | | .35 | | | | | | | | .60 | | .05 | | | | | | | | | | | 1.00 |
| Mottinger | ...do | | | | | | | | | | | | | | | | .56 | | | | | | | | | | | | | T. | | | 0.56 |
| Mount Pleasant | ...do | | | | | T. | | | | | | 1.44 | | | | | T. | T. | | .40 | .10 | .03 | | | | | | | | | .07 | | 2.04 |
| Moxee | Yakima | | | | | .01 | | | | | | .16 | | | | | .04 | | | .04 | | | | | | | | | | | | | 0.25 |
| Newport | Pend d'Oreille | | | | | | | .42 | | | | T. | | | | | .08 | | | .03 | .21 | | | | | | | | | | T. | | 0.74 |
| North Head | Coast | | | | | | | | | .38 | | .32 | | | | .03 | .01 | .18 | .02 | .63 | .51 | .03 | | | | | | | | .03 | .08 | | 2.22 |
| Northport | Columbia | T. | T. | | | | T. | .10 | .02 | | | | | | .02 | T. | T. | .01 | T. | .03 | T. | | | | | | | | | T. | .03 | | 0.21 |
| North Yakima | Yakima | | | | | T. | | | | | | .21 | | | | | .24 | | | .10 | | | | | | | | | | | | | 0.55 |
| Nutland | Columbia | | | | | | | | | | | .08 | | | | | .14 | | | .10 | | | | | | | | | | | | | 0.32 |
| Odessa | ...do | | | | | | | .01 | | | | | | | | | .20 | T. | T. | T. | | | | | | | | | | | .10 | | 0.31 |
| Olga | Puget Sound | | | | | | .20 | | | | | .57 | | | | | | | | .32 | T. | .12 | | | | | | | | | .10 | | 1.31 |
| Olympia | ...do | | | | | | | | | | | | | | | | | | .01 | .44 | .25 | .10 | T. | | | | | | | .06 | .18 | | 1.04 |
| Omak | Okanogan | | | | | | | T. | | | | | | | | | | .15 | T. | T. | T. | T. | | | | | | | | | | | 0.15 |
| Oroville | ...do | | | | | | | | | .42 | .11 | | | | | | | .35 | | .10 | T. | | | | | | | | | | | | 0.98 |
| Peola | Snake | | | | | T. | | | | | | T. | | | | | .10 | .11 | .01 | .20 | .14 | | | T. | | | | | | | .08 | | 0.64 |
| Pomeroy | ...do | | | | | | | | | | | | | | | | .15 | | T. | T. | | | | | | | | | | | | | 0.15 |
| Port Crescent | Coast | T. | | | | T. | | .03 | | | .07 | .46 | | | | | | T. | | .40 | .19 | .05 | | | | | | | | | .15 | | 1.35 |

TABLE 2.—*Daily precipitation for June, 1910. District No. 12*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Washington*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Townsend | Puget Sound | | | | | .04 | | .03 | | | | .25 | | | | | | .18 | | .35 | T. | .10 | | | | | | | | | .02 | | 0.97 |
| Pullman | Palouse | | | | | | | | | | | T. | | | | 25 | | | | | | | | | | | | | | | T. | | 0.25 |
| Quinault | Coast | .02 | .06 | | | .04 | | T. | .01 | | | .71 | .08 | T. | | | | .05 | .03 | .40 | 2.50 | .41 | | | | | | | | | .05 | | 4.36 |
| Republic | Kettle | | | .04 | | .05 | .05 | .35 | .08 | T. | | .07 | .01 | | | | .26 | .03 | T. | .11 | .03 | T. | | | | | | | | | .14 | | 1.22 |
| Rex Creek | Columbia | | | | | T. | | | | | | | | | | | | | | .10 | .11 | | | | | | | | | | | 0.21 |
| Ritzville | ...do | | | | | | | .08 | | | | .02 | | | | | .46 | | | | | | | | | | | | | | .09 | | 0.65 |
| Rock Lake | Palouse | | | | | | | | | | | | | | | .38 | | | | | | | | | | | | | | | .02 | | 0.40 |
| Rosalia | ...do | | | | | | | | | | | | | | | | .10 | | | .16 | | | | | | | | | | | .02 | | 0.28 |
| Russells Ranch | Yakima | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scenic Hot Springs | King | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seattle | Puget Sound | .03 | | | | | .14 | .02 | | | T. | .21 | | T. | | | | T. | .02 | .34 | T. | .02 | | | | | | | | T. | .04 | | 0.82 |
| Sedro-Woolley | ...do | | | | | .05 | .28 | .03 | | | | 1.10 | .04 | | | | | | .67 | | .05 | .62 | | | | | | | | | .20 | | 3.04 |
| Sixprong | Columbia | | | | | | | T. | | | | | | | | | .13 | | | .07 | .12 | | .10 | | | | | | | | | 0.42 |
| Skagit Power Dam | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Snohomish | ...do | | T. | | | .01 | .03 | .02 | | | | 1.00 | .02 | | | | | | T. | .54 | .02 | .49 | .02 | | | | | | | | .12 | | 2.27 |
| Snoqualmie Falls | ...do | .18 | .03 | | | | T. | .16 | T. | T. | | .42 | | T. | | | | | T. | .60 | .12 | .03 | | | | | | | | | .26 | | 1.80 |
| Snyders Ranch | Columbia | T. | | | | | | | | | | T. | | | | | | | | T. | .13 | | .05 | | | | | | | | | 0.18 |
| South Bend | Coast | .02 | .01 | | | | | | | | | .70 | | | | | .03 | .10 | .02 | .20 | 1.45 | .31 | | | .01 | | | | | .27 | | 3.12 |
| Spokane | Spokane | | | | | T. | | T. | | | | | | | | | .09 | | .02 | .08 | .02 | | | | | | | | T. | T. | | 0.21 |
| State University | Puget Sound | | | | | | | .21 | | | | .23 | | | | | | | .04 | .33 | .03 | .02 | | | | | | | | | | | 0.86 |
| Stokes Ranch | Columbia | | | | | | | | | | | .04 | | | | | | | | .09 | .28 | T. | .08 | | | | | | | | T. | | 0.49 |
| Sullivan Lake | Pend d'Oreille | | .06 | | .09 | T. | .11 | .12 | | | | T. | | | | | .66 | T. | .02 | .14 | | | | | | | | | | | .07 | | 1.27 |
| Sumner | Puget Sound | | | | | .02 | | | | | | .40 | | | T. | | | | | .52 | .21 | .04 | | | | | | | | | .30 | | 1.49 |
| Sunnyside | Yakima | | | | | | | | | | | .11 | | | | | .24 | | | .18 | T. | | | | | | | | | | | | 0.53 |
| Tacoma | Puget Sound | | | | | | | .01 | | | .11 | .24 | | | | | T. | T. | | .46 | .04 | .03 | | | | | | | T. | .01 | | 0.90 |
| Tatoosh Island | Coast | | | | | | | T. | | T. | .02 | .25 | .10 | | .01 | T. | T. | | .01 | .45 | .16 | .37 | | T. | .19 | | | | T. | .12 | .05 | 1.73 |
| Tieton | Yakima | | | | | .04 | | | | | | .06 | | | | | T. | | | .35 | | | .01 | | | | | | | | | 0.46 |
| Touchet | Columbia | | | | | T. | | .10 | | | | .03 | | | | | .40 | | .03 | T. | .01 | | T. | | | | | | | | | 0.57 |
| Touchet Ridge | ...do | | | | | | | | | | | .15 | | | | | .42 | | T. | T. | .24 | .15 | .48 | | | | | | | | | 1.44 |
| Trinidad | ...do | | | | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | T. |
| Twisp | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tyee | ...do | | | | | | | | | | | .06 | | | | | | | | .06 | 1.05 | | | | | | | | | | | | 1.17 |
| Vancouver | ...do | | | | | | | T. | | | | 1.02 | | | | | .07 | | .01 | .07 | | .03 | | | | | | | | | T. | | 1.20 |
| Vashon Island | Puget Sound | .02 | | | | | | .06 | T. | | | .24 | T. | | | | | | | .33 | .04 | .01 | T. | | | | | | | .06 | | | 0.76 |
| Wahluke | Columbia | | | | | | | | | | | | | | | | .20 | | | .22 | | | | | | | | | | | | | 0.42 |
| Wallace | Okanogan | | T. | | | .09 | .18 | .21 | | | | .05 | | | | | .31 | | | .22 | .05 | T. | .07 | | | | | | | | | | 1.18 |
| Walla Walla | Columbia | | | | | .01 | | T. | | | | .02 | | | | | .52 | | T. | T. | .06 | | .02 | | | | | | | | | | 0.63 |
| Waterville | ...do | | | | | | | T. | | | | T. | | | | | | | | T. | T. | | | | | | | | | | | | T. |
| Wenatchee (near) | ...do | | | T. | | T. | | | | | | .13 | | | | | | | | .04 | T. | | .08 | | | | | | | | | | 0.25 |
| West Branch | Spokane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wilbur | Columbia | | | | | | | .22 | | | | T. | | | | | .31 | | | T. | | | | | | | | | | | .07 | | 0.60 |
| Yale | ...do | | .04 | | | | | | | | | 1.69 | | | | | | | T. | .40 | .35 | .11 | T. | | | | | | | | .09 | | 2.68 |
| Zindel | Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Oregon.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Albany | Willamette | | | | | | | | | | | .76 | .06 | | | | | | | .10 | .10 | .10 | .04 | | | | | | | | T. | | 1.16 |
| Ashland | Rogue | | | | T. | | | | | | .07 | | | | T. | | | | T. | | | | .15 | | | | | | | | | | 0.22 |
| Astoria | Columbia | T. | T. | | | .03 | .05 | | | | | 1.03 | | | | | T. | .12 | T. | .30 | 1.68 | .07 | | | | | | | T. | | .17 | | 3.45 |
| Bagleys Ranch | Snake | | | | | | | | | | | | | | | | .21 | | | | | | .19 | | | | | | | | | | 0.40 |
| Baker City | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bay City | Coast | T. | | | | .04 | .04 | | | | | .30 | T. | | | | .06 | T. | .04 | .56 | .25 | .26 | T. | | | | | | | T. | .15 | | 1.72 |
| Bear Creek | Deschutes | | | | | | | | | | .06 | | | | | | .56 | | .01 | | .09 | | .31 | | | | | | .03 | | | | 1.06 |
| Bear Valley | John Day | | | | | | | | | | | | | | | | | | | | | | | T. | .20 | | | | | T. | | | 0.20 |
| Beaver Creek | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beach Creek | John Day | | | | | .15 | | | | | | | | | | | .30 | .07 | T. | T. | .03 | .03 | .01 | | .02 | | | | | T. | | | 0.61 |
| Bellfountain | Willamette | | | | | | | | | | | .63 | | | | | | | .01 | .03 | .17 | | | | | | | | | | | | 0.84 |
| Bend | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Big Basin | John Day | | | | | T. | | | | | | | | | | | .50 | | | | | | .01 | | | | | | | | | | 0.51 |
| Birch Creek | ...do | | | | | .17 | | | | | | | | | | | .46 | T. | T. | T. | | | .01 | | | | | | | | | | 0.64 |
| Black Butte | Willamette | | | | | | | | | | | 1.25 | .10 | | | | .50 | .10 | | | | | | | | | | | | | | | 1.95 |
| Blalock | Columbia | | | | | | | | | | | .08 | | | | | .18 | | | | | | | | | | | | | | | | 0.26 |
| Blue M't'n Sawmill | Umatilla | | | | | | | | .10 | | | | | | | | .60 | | | | .24 | .10 | .10 | | | | | | | | | | 1.14 |
| Buckhorn Farm | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buena Vista | Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Butte Falls | Rogue | | | | | | | | | | .20 | T. | | | | | .23 | | .04 | .07 | .06 | .04 | .12 | | | | | | | | .02 | | 0.78 |
| Cableville | Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| California Gulch | Umatilla | | | | | | | | | | | | | | | | .74 | | | .26 | .36 | | | .10 | | | | | | | | | 1.46 |
| Canyon City | John Day | | | T. | | | | | | | | T. | | | | | .25 | T. | T. | | | | .08 | | | | | | | | T. | | 0.33 |
| Cascade Locks | Columbia | | | | | .14 | | | | | T. | 1.20 | .02 | | | | .08 | | | .38 | .22 | .04 | | | | | | | | | .05 | | 2.13 |
| Cascadia | Willamette | | | | | | | | | | | .88 | | | | .02 | .28 | | .03 | .29 | .43 | | | | | | | | | | | | 1.93 |
| Casedero | ...do | | | | | .01 | | .03 | | | | 1.03 | | | | | .13 | | | .21 | .16 | | .03 | | | | | | | | .01 | | 1.61 |
| Columbia Mine | Snake | | | | | | | | | | | | | | | | .20 | .19 | | | | | T. | | | | | | | T. | | | 0.39 |
| Condon | John Day | | | | | T. | | | | | | .41 | | | | | .55 | .11 | T. | .08 | .11 | .12 | .02 | | | | | | | T. | .10 | | 1.50 |
| Connor Creek | Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coquille River L. H. | Coast | | | | | | | | | | .30 | .08 | | T. | | | | | | .41 | .39 | | .03 | | | | | | | | T. | | 1.21 |
| Cornucopia | Snake | | | | | T. | | | | | | | | | | | .05 | .03 | | | | T. | .04 | .20 | | | | | | | | | 0.32 |
| Corvallis | Willamette | | | | T. | | | | | | T. | .94 | | | | T. | | T. | .10 | T. | .69 | | | | | | | | | | | | 1.73 |
| Cracker Creek | Snake | | | | | T. | T. | | | | | T. | | | | | .03 | .02 | T. | | T. | | T. | | | | | | | T. | T. | | 0.05 |
| Crescent | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dayville | John Day | | | | | T. | | | | | | T. | | | | | .27 | .02 | | T. | T. | | T. | | | | | | | | .13 | | 0.42 |
| Doraville | Columbia | T. | T. | | | .07 | T. | | | | T. | .75 | | .01 | | | T. | .06 | | .42 | .03 | .04 | | | | | | | T. | .04 | .74 | | 2.16 |
| Drain | Umpqua | | | | | | | | | | .04 | .49 | | | | .08 | .21 | | | .07 | .21 | | .02 | | | | | | | | | | 1.12 |
| Dufur | Deschutes | | | | | .01 | | | | | | .40 | | | | | .08 | T. | T. | .53 | .14 | | .08 | | | | | | | | T. | | 1.24 |
| Duncan | Umatilla | | | | | | | | | | | | | | | | .40 | .10 | | | .20 | | .10 | | | | | | | | | | 0.80 |
| Echo | ...do | | .05 | | | | | | | | | | | | | | .38 | | .05 | | | | | | | | | | | | | | 0.43 |
| Elkhorn Ranch | Coast | | | | | T. | .05 | | | T. | .05 | .88 | T. | .05 | | .05 | .04 | | T. | .32 | .78 | | | | | | | | | | | | 2.22 |
| Ella | Columbia | | | | | | | | | | | .02 | | | | | .15 | T. | | .02 | .03 | | | | | | | | | | .03 | | 0.27 |
| Embody | Deschutes | | | | | T. | | | | | | T. | | | | | .02 | | T. | | T. | .20 | | | | | | | | | | | 0.22 |
| Eugene | Willamette | | | | | | | | | | | .56 | .14 | | | | .15 | | | .04 | .02 | .03 | .09 | | | | | | | | | | | 1.03 |
| Fairview | Coast | | | | | | | | | T. | T. | .75 | T. | T. | .01 | | .70 | | | .21 | .54 | .05 | | | | | | | | | | | | 2.26 |
| Fall City | Willamette | | | | | | | | | | | .75 | | | | | | | | .05 | .53 | | | | | | | | | | | | | 1.33 |
| Fir Glen | Coast | | | | | | | | | | .05 | .30 | | | | .05 | .08 | | | | .21 | | | | | | | | | | | | | 0.69 |
| Florence | ...do | | | | | .01 | .05 | | | | .07 | .87 | | T. | | | .04 | | T. | .28 | .35 | .08 | | | | | | | | | .04 | | 1.79 |
| Forest Grove | Willamette | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fort Rock | Interior | | | | | | | | | | | | | | | | .50 | | .01 | | | | .15 | | | | | | | | .07 | | 0.73 |
| Galice | Rogue | | | | | | | | | | | .40 | | | T. | T. | | | | | .24 | T. | T. | | | | | | | | | | | 0.64 |
| Gardiner | Umpqua | | | | | | | | | | .14 | .48 | | | | | .12 | | | .20 | .45 | .06 | | | | | | | | | | | | 1.45 |
| Glendale | ...do | | | | | | | | | | .60 | .10 | | | T. | | .10 | | .10 | | T. | | | | | | | T. | | | | | | 0.90 |
| Glenora | Coast | | .01 | | | | | | | | | .97 | | | | | | .03 | | .17 | .58 | .42 | | | | | | | | | .14 | | 2.32 |
| Gold Beach | Rogue | | | | | | | | | | .09 | .49 | | | .03 | .12 | | | | 1.02 | .42 | | | | | | | | | | .09 | | 2.26 |
| Granite | John Day | | | | | | | | | | | | | | | | T. | T. | T. | | | T. | T. | T. | | | | | | | T. | | T. |
| Grants Pass | Rogue | | | | | | | | | | .09 | T. | | | .03 | .02 | .17 | | | .01 | .02 | | T. | | | | | | | | | | | 0.34 |
| Grass Valley | John Day | | | | | | | | | | | .22 | | | | .28 | | | | .12 | | | | | | | | | | | | | | 0.62 |
| Greenhorn | Snake | | | | | T. | | T. | | | | | | | | | .21 | .10 | T. | | T. | .02 | .32 | .03 | | | | | | | T. | | 0.68 |
| Greenleaf | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—*Daily precipitation for June, 1910. District No. 12*—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| *Oregon*—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grindstone | Deschutes | | | | | | | | | | | | | | | | .07 | T. | | | | .05 | | .16 | | | | | | | | | |
| Gumboot | Snake | | | | | T. | | .04 | | | | | | | | | .45 | | .35 | | T. | | T. | | | | | | | T. | | 0.32 |
| Gurdane | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.80 |
| Happy Home | Umpqua | | | | | | | | | | | | .45 | | .27 | .22 | | | | .28 | .62 | | .34 | | | | | | | | .08 | 2.26 |
| Hay Creek | Deschutes | | | | | | | | | | .20 | | | | | | .58 | | .07 | .05 | .11 | | .30 | | | | | | | | .05 | 1.36 |
| Haseldell | Willamette | | | | | | | | | | .51 | .10 | | | | .39 | | | | .40 | T. | .20 | .10 | | | | | | | | | 1.70 |
| Head Works | do | | | | | | | | | | 1.60 | | | | | .20 | | | | .58 | .20 | .01 | | | | | | | | | | 2.59 |
| Heppner | Columbia | | | | | T. | | | | | | | | | | | .45 | T. | .03 | .04 | T. | | T. | | | | | | | | .06 | 0.58 |
| Hermiston | Umatilla | | | | | | | | T. | | | | | | | | .43 | | | | | | | | | | | | | .06 | | 0.49 |
| Hilgard | Grande Ronde | | | | | | | | | | | | | | | | .30 | .15 | | | .15 | | T. | | | | | | | | | 0.60 |
| Hood River | Columbia | | | | | | .20 | | | | | | | | | T. | | | | .40 | T. | | | | | | | | | | | 0.60 |
| Hoover | Willamette | | | | | | | | | | .40 | | | | | | | | | | 1.07 | | | | | | | | | | | 1.47 |
| Howardville Station | Grande Ronde | | | | | | | | .06 | | .01 | | | | | | .13 | .04 | .03 | | .14 | .18 | .03 | | | | | | | | .03 | 0.65 |
| Huntington | Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Ibex Mine | John Day | | | | | | .02 | | | | | T. | | | | | .25 | T. | | | | .07 | .02 | | | | | | | | | 0.36 |
| Ironside | Snake | | | | | | | | | | | | | | | | .17 | | | | | | | | | | | | | | | 0.17 |
| Jacksonville | Rogue | | | | | | | | | | .06 | | | | | | | | .33 | .05 | | | | | | | | | | | | 0.44 |
| Joseph | Grande Ronde | | | | | .04 | .08 | | | | | | | | | | | .40 | | | | .30 | .32 | | | | | | | | | 1.14 |
| Kamela | do | | | | | | | | | | | | | | | | | | | | | .20 | | | | | | | | | | 0.20 |
| La Grande | do | | | | | | | | | | | | | | | | .32 | .05 | | .03 | .05 | | T. | | | | | | | | .01 | 0.46 |
| Lilyglen | Rogue | | | | | | | | | | .12 | .02 | | | | | .21 | | | | .03 | | .10 | | | | | | | .04 | | 0.52 |
| Long Creek | John Day | | | | T. | .12 | | | | | | | | | | | .04 | .02 | .06 | | .12 | | | | | | | | | | T. | 0.36 |
| Madras | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maury | do | | | | | | | | | | | | | | | | .48 | | | | | | .35 | | | | | | | .10 | | 0.93 |
| McKenzie Bridge | Willamette | | | | | | | | | | T. | .66 | .01 | | .02 | | .39 | | | .46 | .39 | .16 | .61 | | | | | | | | .03 | 2.73 |
| McMinnville | do | | | | | | | | | | | 1.08 | | | | | | | | T. | .13 | .04 | | | | | | | | | | 1.25 |
| Meacham | Umatilla | | | | | | | | | | | | | | | T. | .50 | T. | | | | .31 | .47 | .20 | | | | | | | | 1.48 |
| Metolius | Deschutes | | | | .03 | | | | | | T. | .35 | | | | T. | .38 | | .04 | .22 | .02 | T. | .21 | | | | | | | | | 1.25 |
| Mikkalo | John Day | | | | | | | | | | | | | | | | .30 | | | .22 | .04 | | | | | | | | | | | 0.69 |
| Miller Prairie | Columbia | | | | | | | | | | | | | | | | .42 | | | | | .14 | .09 | | | | | | | | | 0.65 |
| Miramonte Farm | Willamette | | | | | | | | | | | .92 | | | | | | | T. | .09 | .14 | | .05 | | | | | | | | | 1.20 |
| Monroe | do | | | | | | | | | | T. | .59 | | | | .01 | | | .02 | .04 | .09 | .01 | .01 | | | | | | | | | 0.77 |
| Mountainhome | Columbia | | | | | .02 | | | | | | .67 | | | | | | .09 | | .19 | | .15 | | | | | | | | | | 1.12 |
| Mount Angel | Willamette | | | | | | | | | | T. | 1.34 | | | | .05 | | | | | | | | | | | | | | | | 1.39 |
| Mount Hood | Columbia | | | | .28 | | | | | | | .52 | | | | | | | T. | .62 | .07 | | .04 | | | | | | | | | 1.59 |
| Mountain Park | do | | | | | .18 | T. | | | | | .77 | | | | | .06 | T. | | .60 | .16 | | T. | | | | | | | | | 1.77 |
| Mountain Ranch | Rogue | | | | | | | | | | | | | .10 | | .25 | | | | .17 | .13 | | | | | | | | | | | 0.65 |
| Musick | Umpqua | | | | | | | | | | T. | 1.22 | 1.01 | | | .12 | .60 | T. | .06 | .48 | .58 | .30 | .18 | | | | | | | | | 4.55 |
| Newport | Coast | | | | | | | | | | .12 | 1.18 | | .01 | | | .10 | .04 | .02 | .19 | .21 | .08 | | | | | | | | | | 1.95 |
| Nigger Flat | Malheur | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ochoco | Deschutes | | | | | .02 | | | | | | | | | | | T. | .53 | | T. | T. | | .38 | | | | | | | | | 0.93 |
| Ochoco Creek | do | | | | | | | | | | .15 | | | | | | .43 | T. | T. | | .08 | | .25 | | | | | | | | .02 | 0.93 |
| Owyhee | Owyhee | | | | | | | | | | | | | | | | .05 | | | | | | | | | | | | | | | 0.05 |
| Pendleton | Umatilla | | | | | | | | | | | | | | | | .37 | | .13 | .01 | .06 | | T. | | | | | | | | .01 | 0.58 |
| Persist | Rogue | | | | | | | | | | .36 | | | | .03 | | .30 | | | .25 | .15 | | .05 | | | | | | | | | 1.14 |
| Pilot Rock | Umatilla | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pompeii | Willamette | | | | | .32 | | | | | .21 | 1.35 | | | | T. | .31 | | | .89 | .20 | | .14 | | | | | | | | .10 | 3.52 |
| Portland | do | | T. | | | | T. | | | | .45 | .89 | | T. | | | .07 | | .01 | .10 | .06 | T. | .03 | | | | | | | T. | | 1.61 |
| Post | Deschutes | | | | | | | | | | | .09 | | | | | .50 | .01 | | .01 | | | .12 | | | | | | | | .07 | 1.10 |
| Power House | Walla Walla | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prineville | Deschutes | | | | | T. | | | | | T. | .16 | | | | T. | | T. | .03 | T. | | T. | .28 | | | | | | | | .17 | 0.64 |
| Prospect | Rogue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rager Creek | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ramsey | Columbia | | | | T. | .09 | | | | | | .40 | | | | | .09 | | | .58 | .14 | | .09 | | | | | | | | | 1.39 |
| Range | John Day | | | | | .10 | .10 | | | | | | | | | | .42 | T. | T. | | T. | .20 | .10 | | | | | | | | | 0.92 |
| Ray Creek | Columbia | | | | | | | | | | | | | | | | .33 | .01 | .08 | | .02 | | T. | | | | | | | .12 | | 0.56 |
| Reston | Umpqua | | | | | | | | | | .25 | .18 | | | | .11 | .10 | | | | .15 | .01 | | | | | | | | | | | 0.80 |
| Richland | Snake | | | | | | | | | | | | | | | | | .10 | | | | | | | | | | | | | | 0.10 |
| Riverdale Ranch | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Riverside | Malheur | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Rock Creek | Willamette | | | | | | | | | | | .85 | | | | | | | | | .78 | | T. | | | | | | | | | 1.63 |
| Roseburg | Umpqua | | | | | | | | | | .45 | .02 | | .01 | | .44 | .03 | | T. | .03 | .07 | | .03 | | | | | | | | T. | 1.09 |
| Rosland | Deschutes | | | | | | | | | | | .33 | | | | .02 | .28 | T. | .03 | | .08 | | .47 | | | | | | | T. | .06 | 1.27 |
| Salem | Willamette | | | | | | | | | | T. | 1.00 | | | | | T. | | T. | .10 | .09 | | T. | | | | | | | | | 1.19 |
| Seneca | Interior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Siskiyou | Rogue | | | | | | | T. | | | .04 | .18 | | | T. | T. | | | T. | | .14 | | .10 | | | | | | | | | 0.46 |
| Sisters | Deschutes | | | | .01 | | | | | | | .11 | | | | | .40 | | T. | .11 | | T. | .34 | | | | | | | | .03 | 1.00 |
| Sparta | Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stafford | Willamette | | T. | | | | | | | | | 1.19 | | | | | .12 | | .04 | .12 | .12 | .02 | .04 | | | | | | | | | 1.65 |
| Starkey | Grande Ronde | | | | | | | | | | | | | | | | .24 | .11 | | | | | | | | | | | | | | 0.35 |
| Summit | Willamette | | | | | .15 | | | | | | 1.06 | | | | | | | | .12 | .63 | .02 | | | | | | | | | T. | 1.99 |
| Summit Prairie | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Susanville | John Day | | | | | | .16 | | | | | .03 | | | | | .31 | .10 | | T. | .04 | .05 | .10 | .15 | | | | | | | | | 0.94 |
| Tamarack | do | | | | | | | | | | | | | | | | .67 | | | | T. | | .21 | | | | | | | | | 0.88 |
| Telocaset | Snake | | | | | | | | .02 | | | | | | | | | | | | | | | | | | | | | | | 0.02 |
| The Dalles | Columbia | | | | T. | | | | | | | .32 | | | | | T. | | T. | .39 | | | .01 | | | | | | | | | 0.72 |
| The Heads | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinroof Cabin | Umatilla | | | | | .03 | | T. | | | | .01 | | | | | .52 | .04 | .02 | | .17 | .07 | .17 | | | | | | | | .03 | 1.06 |
| Toledo | Coast | | | | | | | | | | | 1.10 | | | | | | | | .40 | .45 | | | | | | | | | | | 1.95 |
| Trask | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Umatilla | Columbia | | | | | | | | | | T. | | | | | | .83 | | | | | | | | | | | | | .07 | | 0.90 |
| Unity | Snake | | | | | | .30 | | | | | | | | | | .12 | T. | .03 | | | | T. | | | | | | | | | 0.45 |
| Vale | Malheur | | | | | | | .02 | | | | | | | | | .05 | | | | | | | | | | | | | | | 0.07 |
| Van | do | | | | | | | | | | | | | | | | .05 | T. | T. | | | | | | | | | | | | | 0.05 |
| Wallace Orchard | Willamette | | | | | | | | | | T. | 1.10 | | | | T. | T. | | | .16 | .22 | T. | | | | | | | | | T. | 1.48 |
| Walloupa | Grande Ronde | | | | | | | | | | | | | | | | .16 | .04 | .07 | .03 | .16 | .10 | .01 | | | | | | | | T. | 0.57 |
| Wallowa | do | | | | | | | | | | | T. | | | | | .06 | T. | .06 | T. | .02 | .07 | .06 | .04 | | | | | | | | 0.31 |
| Wamic | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Warmspring | do | | | | | | | | | | .25 | | | | | | | | | .32 | | | .20 | | | | | | | T. | .05 | 0.82 |
| Wasco | Columbia | | | | | .01 | | | | | | .18 | | | | | .28 | .10 | .02 | | .12 | | | | | | | | | | | 0.71 |
| Welches | Umatilla | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weneha Springs | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weston | Walla Walla | | | | | T. | | .05 | | .05 | T. | | | | | | .60 | T. | .05 | T. | T. | .10 | T. | | | | | | | | T. | | 0.85 |
| Willamina | Willamette | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Williams | Rogue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3.—*Maximum and minimum temperatures at selected stations for June, 1910. District No. 18, Columbia Valley.*

| Date. | Montana. | | | | | | Idaho. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Kalispell. | | Missoula. | | Afton, Wyo. | | Boise. | | Bonners Ferry. | | Hotspring. | | Lewiston. | | Mackay.‡‡ | | Meadows. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 78 | 49 | 76 | 49 | 74 | 46 | 88 | 56 | 87 | 47 | 90 | 56 | 92 | 56 | 88 | 53 | 94 | 54 |
| 2 | 80 | 42 | 78 | 42 | 80 | 38 | 92 | 58 | 88 | 46 | 91 | 56 | 93 | 58 | 90 | 54 | 94 | 54 |
| 3 | 76 | 38 | 74 | 38 | 78 | 36 | 94 | 58 | 90 | 46 | 92 | 56 | 94 | 58 | 92 | 54 | 96 | 54 |
| 4 | 72 | 36 | 72 | 36 | 76 | 34 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 5 | 74 | 38 | 74 | 38 | 78 | 36 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 6 | 76 | 40 | 76 | 40 | 80 | 38 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 7 | 78 | 42 | 78 | 42 | 82 | 40 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 8 | 80 | 44 | 80 | 44 | 84 | 42 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 9 | 82 | 46 | 82 | 46 | 86 | 44 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 10 | 84 | 48 | 84 | 48 | 88 | 46 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 11 | 86 | 50 | 86 | 50 | 90 | 48 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 12 | 88 | 52 | 88 | 52 | 92 | 50 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 13 | 90 | 54 | 90 | 54 | 94 | 52 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 14 | 92 | 56 | 92 | 56 | 96 | 54 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 15 | 94 | 58 | 94 | 58 | 98 | 56 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 16 | 96 | 60 | 96 | 60 | 100 | 58 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 17 | 98 | 62 | 98 | 62 | 102 | 60 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 18 | 100 | 64 | 100 | 64 | 104 | 62 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 19 | 102 | 66 | 102 | 66 | 106 | 64 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 20 | 104 | 68 | 104 | 68 | 108 | 66 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 21 | 106 | 70 | 106 | 70 | 110 | 68 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 22 | 108 | 72 | 108 | 72 | 112 | 70 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 23 | 110 | 74 | 110 | 74 | 114 | 72 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 24 | 112 | 76 | 112 | 76 | 116 | 74 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 25 | 114 | 78 | 114 | 78 | 118 | 76 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 26 | 116 | 80 | 116 | 80 | 120 | 78 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 27 | 118 | 82 | 118 | 82 | 122 | 80 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 28 | 120 | 84 | 120 | 84 | 124 | 82 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 29 | 122 | 86 | 122 | 86 | 126 | 84 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| 30 | 124 | 88 | 124 | 88 | 128 | 86 | 96 | 60 | 92 | 48 | 94 | 58 | 96 | 60 | 94 | 56 | 98 | 56 |
| Mns | 73.5 | 45.5 | 80.6 | 45.4 | 77.2 | 35.0 | 81.3 | 50.6 | 75.5 | 41.3 | 80.3 | 49.5 | 79.8 | 51.7 | 77.9 | 43.1 | 76.9 | 38.8 |

| Date. | Idaho. | | | | | | | | | | | | Washington. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Pocatello. | | Salmon. | | Shoshone. | | Vernon. | | Wallace. | | | | Aberdeen. | | Blaine. | | Colville. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 92 | 58 | 94 | 56 | 90 | 56 | 88 | 46 | 88 | 44 | | | 76 | 46 | 76 | 46 | 78 | 46 |
| 2 | 94 | 58 | 96 | 58 | 92 | 58 | 90 | 48 | 90 | 46 | | | 78 | 48 | 78 | 48 | 80 | 48 |
| 3 | 96 | 60 | 98 | 60 | 94 | 60 | 92 | 50 | 92 | 48 | | | 80 | 50 | 80 | 50 | 82 | 50 |
| 4 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 5 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 6 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 7 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 8 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 9 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 10 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 11 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 12 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 13 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 14 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 15 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 16 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 17 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 18 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 19 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 20 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 21 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 22 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 23 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 24 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 25 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 26 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 27 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 28 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 29 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| 30 | 98 | 62 | 100 | 62 | 96 | 62 | 94 | 52 | 94 | 50 | | | 82 | 52 | 82 | 52 | 84 | 52 |
| Mns | 97.0° | 60.0° | 99.3° | 60.2° | 95.3° | 60.0° | 93.0° | 51.3° | 93.0° | 49.3° | | | 82.0° | 52.0° | 82.0° | 52.0° | 84.0° | 52.0° |

| Date. | Washington. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Kosmos. | | Lakeside. | | North Head. | | North Yakima. | | Odessa. | | Port Crescent. | | Seattle. | | Sixprong. | | Spokane. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 78 | 46 | 80 | 48 | 72 | 52 | 86 | 52 | 88 | 52 | 72 | 52 | 76 | 48 | 76 | 48 | 82 | 52 |
| 2 | 80 | 48 | 82 | 50 | 74 | 54 | 88 | 54 | 90 | 54 | 74 | 54 | 78 | 50 | 78 | 50 | 84 | 54 |
| 3 | 82 | 50 | 84 | 52 | 76 | 56 | 90 | 56 | 92 | 56 | 76 | 56 | 80 | 52 | 80 | 52 | 86 | 56 |
| 4 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 5 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 6 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 7 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 8 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 9 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 10 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 11 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 12 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 13 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 14 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 15 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 16 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 17 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 18 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 19 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 20 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 21 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 22 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 23 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 24 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 25 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 26 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 27 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 28 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 29 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| 30 | 84 | 52 | 86 | 54 | 78 | 58 | 92 | 58 | 94 | 58 | 78 | 58 | 82 | 54 | 82 | 54 | 88 | 58 |
| Mns | 82.0° | 51.3° | 84.0° | 53.3° | 77.0° | 57.3° | 91.3° | 57.3° | 93.3° | 57.3° | 77.0° | 57.3° | 81.3° | 53.3° | 81.3° | 53.3° | 87.3° | 57.3° |

| Date. | Washington. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Tacoma. | | Tatoosh Island. | | | | | | | | | | | | | | | |
| | Max. | Min. | Max. | Min. | | | | | | | | | | | | | | |
| 1 | 80 | 48 | 68 | 50 | | | | | | | | | | | | | | |
| 2 | 82 | 50 | 70 | 52 | | | | | | | | | | | | | | |
| 3 | 84 | 52 | 72 | 54 | | | | | | | | | | | | | | |
| 4 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 5 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 6 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 7 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 8 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 9 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 10 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 11 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 12 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 13 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 14 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 15 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 16 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 17 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 18 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 19 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 20 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 21 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 22 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 23 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 24 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 25 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 26 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 27 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 28 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 29 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| 30 | 86 | 54 | 74 | 56 | | | | | | | | | | | | | | |
| Mns | 85.3° | 53.3° | 73.3° | 55.3° | | | | | | | | | | | | | | |

TABLE 3.—*Maximum and minimum temperatures at selected stations for June, 1910. District No. 12*—Continued.

| Date. | Walla Walla, Wash. | | Oregon. | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Ashland. | | Baker City. | | Eugene. | | Gold Beach. | | Hermiston. | | Marshfield. | | Portland. | | Prineville. | | Roseburg. | | The Dalles. | | Vale. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 73 | 49 | 85 | 54 | ..... | ..... | 86 | 49 | 61 | 51 | 98 | 61 | 61 | 49 | 63 | 51 | 81 | 44 | 74 | 49 | 90 | 57 | 94 | 57 |
| 2 | 68 | 42 | 73 | 42 | ..... | ..... | 68 | 39 | 57 | 43 | 79 | 45 | 59 | 39 | 60 | 49 | 64 | 28 | 70 | 43 | 66 | 47 | 74 | 41 |
| 3 | 76 | 48 | 82 | 43 | ..... | ..... | 62 | 39 | 63 | 38 | 79 | 41 | 62 | 42 | 75 | 44 | 65 | 39 | 79 | 40 | 78 | 43 | 80 | 38 |
| 4 | 83 | 51 | 82 | 51 | ..... | ..... | 72 | 47 | 58 | 47 | 87 | 41 | 60 | 51 | 86 | 52 | 85 | 34 | 72 | 45 | 85 | 45 | 86 | 41 |
| 5 | 80 | 53 | 70 | 42 | ..... | ..... | 69 | 51 | 61 | 48 | 87 | 60 | 59 | 50 | 62 | 54 | 84 | 38 | 66 | 51 | 83 | 56 | 85 | 45 |
| 6 | 73 | 51 | 71 | 46 | ..... | ..... | 61 | 50 | 60 | 45 | 79 | 52 | 63 | 50 | 61 | 52 | 74 | 33 | 68 | 52 | 69 | 54 | 86 | 50 |
| 7 | 68 | 50 | 72 | 47 | ..... | ..... | 64 | 48 | 59 | 47 | 72 | 50 | 64 | 50 | 61 | 50 | 64 | 35 | 71 | 51 | 65 | 50 | 77 | 50 |
| 8 | 76 | 48 | 82 | 42 | ..... | ..... | 65 | 42 | 62 | 38 | 80 | 45 | 62 | 51 | 74 | 48 | 78 | 29 | 81 | 42 | 78 | 43 | 75 | 36 |
| 9 | 88 | 53 | 90 | 49 | ..... | ..... | 74 | 49 | 63 | 41 | 89 | 46 | 69 | 41 | 81 | 50 | 87 | 36 | 90 | 44 | 86 | 49 | 88 | 33 |
| 10 | 102 | 57 | 89 | 58 | ..... | ..... | 80 | 52 | 65 | 41 | 101 | 50 | 69 | 44 | 94 | 58 | 95 | 43 | 94 | 52 | 96 | 53 | 98 | 41 |
| 11 | 73 | 50 | 67 | 50 | ..... | ..... | 89 | 53 | 60 | 51 | 98 | 61 | 58 | 50 | 61 | 50 | 81 | 44 | 63 | 51 | 90 | 60 | 97 | 69 |
| 12 | 72 | 46 | 78 | 49 | ..... | ..... | 63 | 41 | 58 | 44 | 74 | 46 | 60 | 40 | 68 | 45 | 72 | 30 | 72 | 45 | 73 | 45 | 82 | 45 |
| 13 | 81 | 48 | 71 | 46 | ..... | ..... | 67 | 44 | 58 | 43 | 84 | 40 | 58 | 50 | 72 | 53 | 80 | 33 | 63 | 46 | 80 | 46 | 84 | 38 |
| 14 | 82 | 55 | 62 | 47 | ..... | ..... | 69 | 48 | 60 | 43 | 86 | 56 | 64 | 50 | 68 | 53 | 80 | 46 | 71 | 51 | 75 | 57 | 91 | 45 |
| 15 | 82 | 55 | 74 | 46 | ..... | ..... | 69 | 45 | 62 | 40 | 85 | 57 | 61 | 46 | 67 | 54 | 78 | 36 | 73 | 45 | 77 | 55 | 95 | 59 |
| 16 | 66 | 54 | 62 | 51 | ..... | ..... | 69 | 51 | 59 | 48 | 80 | 55 | 62 | 51 | 63 | 53 | 70 | 49 | 64 | 52 | 70 | 58 | 94 | 54 |
| 17 | 70 | 53 | 65 | 49 | ..... | ..... | 65 | 43 | 59 | 41 | 75 | 50 | 60 | 42 | 61 | 50 | 70 | 38 | 63 | 45 | 69 | 52 | 81 | 38 |
| 18 | 74 | 55 | 69 | 49 | ..... | ..... | 68 | 43 | 63 | 45 | 78 | 55 | 66 | 48 | 68 | 51 | 72 | 48 | 71 | 49 | 72 | 55 | 80 | 56 |
| 19 | 75 | 56 | 71 | 47 | ..... | ..... | 70 | 43 | 61 | 48 | 78 | 50 | 66 | 49 | 67 | 53 | 70 | 45 | 68 | 51 | 73 | 56 | 92 | 47 |
| 20 | 68 | 53 | 59 | 51 | ..... | ..... | 69 | 48 | 60 | 49 | 73 | 54 | 60 | 48 | 65 | 50 | 80 | 36 | 63 | 46 | 69 | 47 | 80 | 47 |
| 21 | 71 | 48 | 66 | 43 | ..... | ..... | 61 | 42 | 59 | 41 | 73 | 45 | 63 | 43 | 63 | 49 | 76 | 44 | 68 | 40 | 69 | 44 | 76 | 37 |
| 22 | 71 | 52 | 63 | 46 | ..... | ..... | 62 | 44 | 66 | 45 | 75 | 55 | 63 | 47 | 62 | 51 | 63 | 44 | 62 | 44 | 71 | 54 | 74 | 41 |
| 23 | 75 | 51 | 76 | 42 | ..... | ..... | 67 | 44 | 68 | 39 | 79 | 50 | 66 | 40 | 75 | 52 | 70 | 40 | 79 | 39 | 77 | 47 | 82 | 49 |
| 24 | 87 | 55 | 85 | 49 | ..... | ..... | 75 | 44 | 61 | 44 | 92 | 48 | 65 | 46 | 81 | 52 | 83 | 39 | 83 | 45 | 83 | 50 | 89 | 38 |
| 25 | 92 | 61 | 89 | 54 | ..... | ..... | 78 | 50 | 62 | 46 | 93 | 53 | 63 | 53 | 73 | 55 | 90 | 45 | 80 | 49 | 84 | 55 | 96 | 41 |
| 26 | 87 | 63 | 84 | 52 | ..... | ..... | 71 | 46 | 60 | 42 | 93 | 62 | 62 | 52 | 72 | 54 | 84 | 50 | 78 | 51 | 82 | 59 | 105 | 41 |
| 27 | 83 | 57 | 75 | 50 | ..... | ..... | 72 | 44 | 60 | 50 | 86 | 52 | 62 | 52 | 71 | 48 | 76 | 46 | 63 | 51 | 79 | 54 | 99 | 44 |
| 28 | 76 | 54 | 72 | 48 | ..... | ..... | 67 | 45 | 61 | 43 | 79 | 50 | 64 | 51 | 68 | 50 | 73 | 34 | 71 | 50 | 72 | 53 | 98 | 44 |
| 29 | 81 | 52 | 75 | 46 | ..... | ..... | 67 | 46 | 64 | 41 | 84 | 51 | 66 | 45 | 71 | 51 | 80 | 34 | 74 | 44 | 79 | 52 | 94 | 46 |
| 30 | 77 | 58 | 79 | 46 | ..... | ..... | 73 | 54 | 64 | 52 | 84 | 57 | 66 | 48 | 69 | 56 | 72 | 50 | 73 | 54 | 76 | 59 | 91 | 42 |
| Means | 77.7 | 52.6 | 74.6 | 47.8 | ..... | ..... | 69.7 | 46.1 | 61.1 | 44.4 | 83.3 | 51.3 | 62.8 | 46.9 | 69.3 | 51.3 | 76.6 | 39.4 | 72.3 | 47.2 | 77.2 | 51.8 | 87.4 | 45.1 |

# PAPERS ON CLIMATOLOGY IN RELATION TO AGRICULTURE, TRANSPORTATION, WATER RESOURCES, ETC.

## THE CATCHMENT OF SNOWFALL BY MEANS OF LARGE SNOW BINS AND TOWERS.

By Prof. FRANK H. BIGELOW.

### THE PROBLEM OF CATCHING THE SNOWFALL.

The catchment of the true amount of snow falling at any place, and the measurement of the equivalent amount of water has been a problem of great practical difficulty for meteorologists. In the case of rain there is no special trouble, because the force of gravitation upon the rain drops is sufficient to cause a comparatively rapid fall through the restraining atmosphere, so that the vertical component is much greater than the horizontal component of motion. A circular rim of about 8 inches in diameter therefore catches an average amount of rain, and the vertical depth is measured by a proper scale. In the case of snow, on account of the crystal nature of the mass and the exposure of large surfaces to the air, the vertical fall is relatively small. When the wind is blowing the horizontal motion often becomes more effective than the vertical fall, and snow is merely drifting about from place to place. The effect of the wind upon an 8-inch cylinder tube is to cause a series of complex stream lines around the opening, so that snow is blown about it in curves without entering the cylinder with any regularity. For this reason it has long been admitted that the ordinary Weather Bureau snow gage is ineffective as a snow catcher in itself, and the practise has been to cut out a cylinder of snow from an open place where the snow lies at an average depth, and convert this amount into the water equivalent. It has been sought to improve these cylindrical tubes by adding a wire hood of the Nipher pattern at the top, to modify the wind curves or lines of stream flow, and it is said that a gain of 25 per cent in accuracy has been attained. It is comparatively easy to arrive at a fair result regarding snow fall where intelligent observers are available, and personal attention can be given to each storm. With the growth of the interest in the use of water for irrigation and power purposes in the semiarid and arid regions of the Rocky Mountain Plateau, and adjacent districts, it has become very important to attempt to devise a method by which some knowledge of the snow conditions can be obtained at mountainous places where no observer lives, and where it is not possible to secure any record except by some automatic device, to be regulated by special visits made in the early autumn before snows fall and in the spring when they have ceased. A seasonal snow gage is a great necessity if it can be invented to work satisfactorily under such conditions. Accordingly the Weather Bureau undertook to make such a study of the subject under the supervision of Prof. Frank H. Bigelow, and this paper contains the first report on the progress that has been possible.

### THE PLAIN AND LOUVERED SNOW BINS, THE 10-FOOT PLATFORM, THE 10-INCH STANDPIPE, THE WEATHER BUREAU 8-INCH RAIN GAGE, AND THE VERTICAL SCALES.

It seems important, before attacking the mechanical problems of the seasonal snow gage, to determine the form of the apparatus to be used in catching the snow that is to be conserved. Unless the normal amount of snow can be brought into and held within the apparatus it would not seem to be worth while to spend time and money on conserving an incorrect amount of snow supposed to represent the seasonal snowfall at the place. Accordingly, on the instructions issued by the Chief of the Weather Bureau through the Climatological Division, a number of stations were equipped in thirteen of the Western States with the apparatus that is necessary to test the several *principles* or *theories* that must be employed in constructing any form of snow apparatus. The several types of apparatus were placed side by side and the reports were gathered by the several section directors, independently of one another, so that any consensus of opinion attained would be entitled to weight. The apparatus consisted of five special pieces:

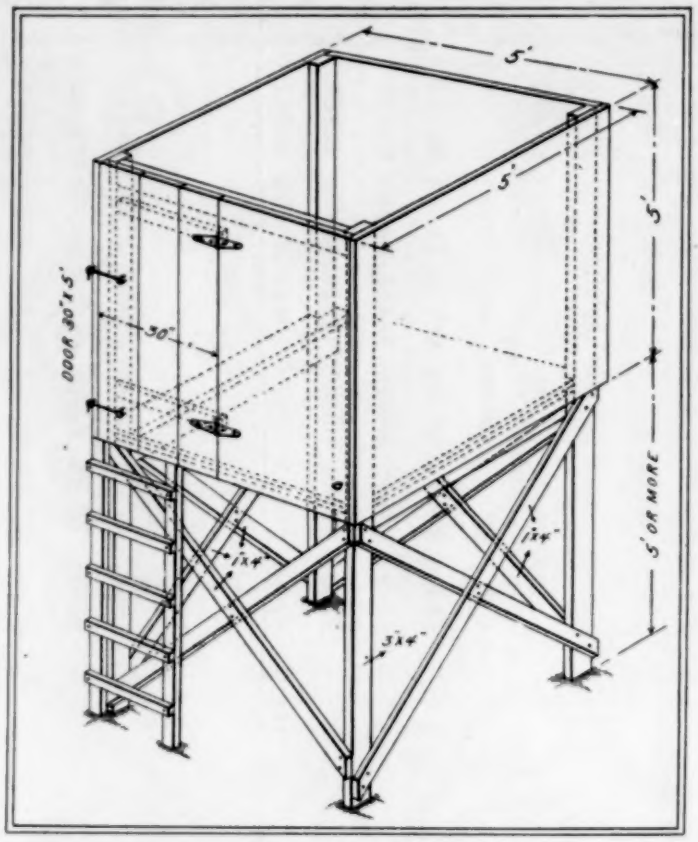



FIG. 1.—Snow bin.

Material—Selected pine or redwood, well dried.

| | |
|---|---|
| 12 pieces 16 feet by 10 inches by 1 inch. | 2 6-inch strap hinges. |
| 4 pieces 10 feet by 4 inches by 3 inches. | 2 4-inch hooks. |
| 4 pieces 16 feet by 6 inches by 1 inch. | 100 feet ¼-inch wire rope. |
| 3 pieces 10 feet by 3 inches by 2 inches. | 4 pounds board wire nails. |
| 3 pieces 12 feet by 2 inches by 1 inch. | 1 pound 50d spikes. |

Bins secured to trees or stakes by wire rope.
Double floor, top boards point toward hinged door.
All boards to be matched, tongued and grooved on edges.

1. A large snow bin, being a wooden box 5 feet on the side with the top open, and set on a stand 5 feet high, so that the upper edge is 10 feet above the ground. The bin is fitted with inside louvers, as shown on figs. 1, 2. In fig. 3 is given the specifications for the outside semicircular louver screens, by which an attempt was made to control the stream lines of the horizontal component at the edge of the bin. The theory of the bin is simply that of a very large opening to avoid the curves of air-flow around a small cylindrical pipe, and to give plenty of room for the snow to work into the opening by numerous paths; it is an elevated platform so protected by the sides of the bin that the snow can not blow away in high winds after the storm; the inside louvers break up the vortical eddies of the wind in the bin so that the snow falls nearly level on the floor; by elevating the bin to 10 feet above the ground it is evident that much of the surface drift of snow passes by the bin without affecting its contents, inasmuch as the surface drift is usually shallow; by covering in the lower 5 feet of the stand the snow bin becomes a *snow tower*, and the lower half can be devoted to a device for conserving the snow in the form of water.

2. A platform 10 feet square was laid on the ground near the bin. When the snow falls in a calm or in a light wind the platform catches a normal amount; in high winds snow is merely drifted upon or off the platform so that the amount lying upon it at any time is a product of the wind effect quite as much as of the snowfall itself. When snows become deep, unless the platform is raised from time to time and kept near the snow level, the drift makes it an impossible apparatus for accurate snow measures.

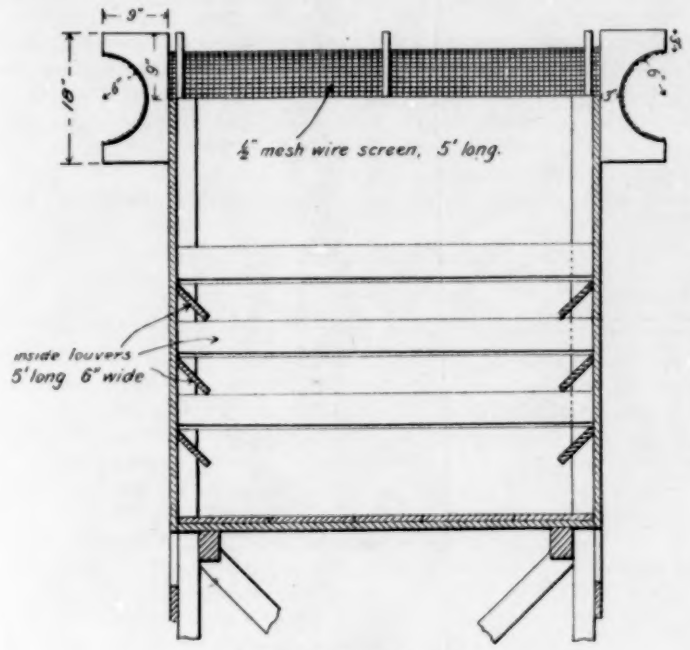



FIG. 2.—Snow bin.

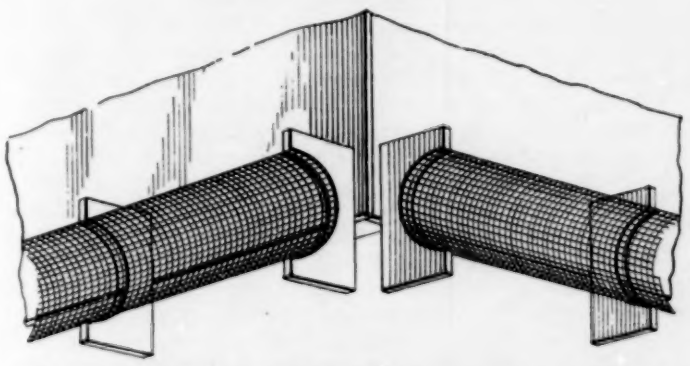


FIG. 3.—Drawing and description of inside louvers and outside semicircular screens to be added to snow bins.

*Inside louvers.*—Take boards 5 feet long and 6 inches wide and fasten them to the inside of the bin at an angle of 45°, sloping downward. Put three on each side, the top one being not nearer than 18 inches to the top of the bin and the lower one not nearer than 8 inches to the bottom. In order to avoid interfering at the corners they need not be placed at the same height on each side.

*Outside semicircular screens.*—Take a board 18 by 9 inches and cut a semicircle on one side having a radius of 6 inches. Fasten three of these blocks to each side of the bin so that they will extend 9 inches above the top of the bin. Take wire netting of the proper width with ½-inch mesh and 5 feet in length and fasten it to the concave part of the blocks. It will be necessary to cut the wire screen on one side so that the door may be opened.

3. A standpipe 10 inches in diameter and 10 feet high was set up near the bin, its mouth on the same level as the top of the bin, so that a 60-inch square and a 10-inch circle were put in competition as practical snow catchers, thus indirectly bringing out the effect of stream lines at large and small apertures. The result was a systematic under-catch in the standpipe to the amount of 20 to 50 per cent. We sent out broadcast requests for suggestions as to the best form of apparatus for a seasonal snow gage, and from about 30 replies it seemed that the usual form of apparatus suggested depended upon a pipe of some kind moved to face the wind in various positions. It was found that these small pipes often fill up at the mouth in moist snows and become unserviceable. In general it was necessary to show that no snow gage depending upon a small pipe could be regarded as a candidate for the position as the basis for future developments in constructiong a seasonal snow gage.

FIG. 4.—Weather Bureau snow bin near Tahoe City, Lake Tahoe, California, 1909.

4. The regular Weather Bureau rain and snow gage was set up for use in time of rain and for comparison. It has the defects of the 10-inch standpipe, and is not reliable.

5. The vertical scale, consisting of a board painted in feet and tenths, was set up to show the depth of snow remaining on the ground at a given place. This is not in any way connected with the snow bin as a seasonal gage, but it is intended to set up numerous vertical scales, which can be visited occasionally, or read at some distance by means of an opera glass, so that from such reports an idea can be gained of the state of the snow in the forests, ravines, and canyons.

6. Prof. J. E. Church, jr., who established the Mount Rose Mountain Observatory near Reno, Nev., has invented a boring tube for measuring the depth and density of snow in a drift or in the open. It consists of a tube of steel with a cutting edge of special form, which will penetrate about 6 feet of hard snow and bring up a core that can be weighed and converted into water equivalent for record. This device seems to work well and to serve a valuable purpose.

Table 1 collects together the total monthly amounts of snow caught at the various stations by means of the several pieces of apparatus, as given in the monthly reports from the observers at the comparative stations equipped for this purpose. The columns give in succession the amount caught in, (1) the louvered bin, (2) the plain bin, (3) the 10-foot platform, (4) the 10-inch standpipe, (5) the Weather Bureau snow and rain gage. The number of snows and the general kind of the wind at the station during the month are recorded in columns 7 and 8. The stations are located in various types of places, in the level open country, in forests, in bleak wind-swept places, and in protected canyons.

An inspection of Table 1, which gives the snowfall totals by months, leads to the following conclusions, which are strengthened by an examination of the individual snowstorms not here published as given in the reports.

(1) The platform is subject to drifting in high winds so as to be unserviceable.

(2) The 10-inch standpipe is liable to a deficiency in catch to the amount of 20 to 50 per cent.

(3) The plain snow bin catches a normal amount of snow, but it is not evenly distributed on the floor.

(4) The bin with louvers on the inside catches a normal amount and distributes it evenly.

(5) The bin with louvers on the outside needs further experimental study to discover the best shape for the outside louvers.

(6) The vertical snow scale is useful in measuring the depth of snow on the ground at date.

(7) The Weather Bureau rain and snow gage should be placed within and near the center of each snow bin for measures of rain and wet snow.

TABLE 1.—*Comparison of the total monthly amount of snow caught in several pieces of apparatus.*

BISMARCK, N. DAK. O. W. ROBERTS.

| Month. | Louver snow bin. | Plain snow bin. | 10-foot platform. | 10-inch standpipe. | W. B. snow gage. | No. of snows. | Wind. m. p. h. |
|---|---|---|---|---|---|---|---|
| 1909–1910. | | | | | | | |
| October | ..... | 1.7 | 1.5 | 0.9 | 1.6 | 3 | 9 |
| November | ..... | ..... | ..... | ..... | ..... | ..... | 10 |
| December | ..... | 14.8 | 14.5 | 5.8 | 15.5 | 19 | 12 |
| January | ..... | 6.6 | 6.5 | 2.9 | 6.6 | 9 | 7 |

LEAD, S. DAK. E. F. IRWIN.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| October | ..... | 1.0 | 1.0 | 1.0 | 1.0 | 2 | strong. |
| November | ..... | 7.7 | 6.5 | 7.0 | 7.5 | 7 | moderate. |
| December | ..... | 19.0 | 11.8 | 11.8 | 12.5 | 8 | strong. |
| January | ..... | 15.5 | 6.0 | 22.3 | 24.5 | 11 | strong. |
| February | ..... | 6.1 | 0.9 | 4.8 | 5.9 | 7 | light. |
| March | ..... | ..... | ..... | 11.0 | 10.0 | 3 | light. |

DRY GULCH, MONT. R. F. YOUNG.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| November | ..... | 3.3 | 3.7 | ..... | ..... | 1 | 3 |
| December | 5.5 | ..... | 5.8 | 4.0 | ..... | 2 | light. |
| January | 14.3 | ..... | 14.3 | 9.1 | ..... | 3 | light. |
| February | 27.2 | ..... | 24.9 | ..... | ..... | 2 | light. |

RED LODGE, MONT. I. A. DRAPER.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| November | 2.5 | 1.5 | 2.3 | 3.3 | ..... | 3 | |
| December | 19.9 | 11.9 | 26.5 | 10.8 | ..... | 6 | high. |
| January | 6.5 | 5.6 | 6.7 | 4.5 | ..... | 2 | light. |
| February | 8.1 | 5.2 | 4.7 | 4.7 | ..... | 3 | high. |
| March | 2.4 | 2.2 | 3.0 | 1.2 | ..... | 1 | light. |

SHEEP HILL, IDAHO. C. M. GARDNER.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| November | ..... | 10.7 | 12.0 | ..... | ..... | 2 | |
| December | 34.2 | 16.4 | 48.2 | ..... | ..... | 7 | |
| January | 38.5 | 36.5 | ..... | ..... | ..... | 7 | |
| February | 47.4 | ..... | 45.7 | ..... | ..... | 6 | |

MAMMOTH HOT SPRINGS, YELLOWSTONE PARK. ANNE ELLIOTT.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| December | ..... | 10.5 | 2.5 | ..... | ..... | 5 | |
| January | ..... | 15.0 | 15.0 | ..... | ..... | 5 | |
| February | ..... | 17.1 | ..... | ..... | ..... | 11 | |
| March | ..... | 6.0 | ..... | ..... | ..... | 3 | |

COCONINO (FLAGSTAFF), ARIZ. G. A. PEARSON.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| December | 27.4 | ..... | 26.5 | ..... | ..... | 7 | 5 |
| January | 11.3 | ..... | 20.6 | ..... | ..... | 3 | 4 |
| February | 5.6 | ..... | 27.5 | ..... | ..... | 2 | 9 |
| March | 14.9 | 15.0 | 22.3 | ..... | ..... | 3 | |

GRAND VIEW, ARIZ. P. O. BERRY.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| December | ..... | 37.5 | 19.8 | 28.4 | ..... | 8 | |
| January | ..... | 21.7 | 9.9 | ..... | 16.7 | 6 | moderate. |
| February | ..... | 10.3 | 4.6 | 8.0 | 7.7 | 2 | moderate. |
| March | ..... | 6.8 | 2.7 | 4.8 | 4.6 | 3 | brisk. |
| April | ..... | 1.7 | 0.7 | 0.2 | 1.3 | 2 | brisk. |

YAMPA, COLO. P. A. HUGHES.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| November | 17.7 | 18.2 | 9.3 | 12.2 | ..... | 7 | |
| December | 18.8 | 18.1 | 9.7 | 12.3 | ..... | 11 | brisk. |
| January | 8.6 | 10.3 | 21.0 | 6.1 | 6.6 | 7 | high. |
| February | 8.4 | 8.3 | 54.5 | 4.1 | ..... | 10 | brisk. |

STEAMBOAT SPRINGS, COLO. M. E. HOUSTON.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| November | ..... | 13.5 | ..... | 6.5 | 9.3 | 5 | moderate. |
| December | ..... | 29.7 | ..... | 24.9 | 28.1 | 9 | light. |
| January | ..... | 14.2 | ..... | 13.8 | 14.5 | 6 | light. |
| February | ..... | 29.3 | ..... | 22.0 | 34.8 | 6 | brisk. |

TABLE 1.—*Comparison of the total monthly amount of snow caught in several pieces of apparatus.*—Continued.

FAIRVIEW, COLO. ELIZABETH L. GRAY.

| Month. | Louver snow bin. | Plain snow bin. | 10-foot platform. | 10-inch standpipe. | W. B. snow gage. | No. of snows. | Wind. m. p. h. |
|---|---|---|---|---|---|---|---|
| November | ..... | 45.5 | 45.5 | 43.1 | 44.9 | 7 | light. |
| December | ..... | 66.7 | 65.9 | 61.6 | 64.1 | 6 | light. |
| January | ..... | 11.1 | 10.7 | 8.6 | 10.6 | 3 | light. |

STRAWBERRY VALLEY, UTAH. F. W. CATER.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| November | 36.5 | 36.0 | ..... | ..... | ..... | 10 | |
| December | 50.0 | 49.5 | ..... | ..... | ..... | 11 | |
| January | 30.0 | 29.5 | ..... | ..... | ..... | 10 | |
| February | 67.5 | 67.0 | ..... | ..... | ..... | 10 | |
| March | 13.0 | 13.0 | ..... | ..... | ..... | 6 | |

CARD CANYON, UTAH. L. E. HAMMOND.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| December | 15.9 | 12.2 | 16.6 | ..... | ..... | 6 | |
| January | 13.2 | 12.0 | 14.7 | ..... | ..... | 4 | |
| February | 16.0 | 14.9 | 17.4 | ..... | ..... | 5 | |

MOUNT ROSE RANCH, NEV. F. T. ELKINS.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| November | 14.6 | 15.0 | 13.8 | 8.5 | 14.0 | 2 | 4 |
| December | 25.3 | 25.6 | 24.7 | 13.6 | ..... | 7 | 7 |
| January | 25.9 | 26.2 | 27.9 | 16.8 | ..... | 5 | 10 |
| February | 5.9 | 5.9 | 5.9 | 3.3 | ..... | 4 | 9 |
| March | 8.9 | 8.9 | 9.2 | 6.1 | 8.5 | 3 | 6 |

TAHOE, LAKE TAHOE, CAL. R. WATSON.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| November | ..... | 26.0 | 26.3 | 24.0 | 24.0 | 3 | |
| December | ..... | 42.0 | 42.0 | 35.5 | ..... | 6 | |
| January | ..... | 71.5 | ..... | 80.0 | 76.0 | 6 | |
| March | ..... | 1.2 | ..... | 0.9 | 1.2 | 2 | |

GREENHORN, OREG. A. CHASE.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| December | 45.3 | ..... | 45.1 | 28.9 | 19.3 | 13 | light. |
| January | 61.9 | ..... | 61.1 | 31.7 | 50.9 | 20 | light. |
| February | 76.0 | ..... | ..... | ..... | 67.2 | 21 | brisk. |
| February 1–14 | 7.6 | ..... | 7.2 | 1.8 | 6.3 | 6 | light. |
| March | 5.3 | ..... | 5.3 | 1.2 | 1.5 | 3 | light. |
| April | 7.2 | ..... | 7.2 | ..... | 0.2 | 6 | light. |

MEACHAM, OREG. F. E. DIVENS.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| November | ..... | 11.0 | 11.0 | 4.5 | ..... | 4 | |
| December | ..... | 29.5 | 28.7 | 14.8 | ..... | 5 | high. |
| January | 55.4 | ..... | 44.7 | 14.7 | 14.1 | 13 | moderate. |
| February | 80.9 | ..... | 80.6 | 77.0 | 81.2 | 11 | light. |
| March | 5.0 | ..... | 4.5 | 3.0 | 5.0 | 1 | light. |

LA PORTE, CAL. C. W. HENDEL.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| November | ..... | 32.0 | 32.2 | ..... | ..... | 7 | light. |
| December | ..... | 72.5 | 72.5 | ..... | ..... | 12 | light. |
| January | ..... | 99.5 | 96.3 | ..... | ..... | 13 | moderate. |
| February | ..... | 33.4 | 34.1 | ..... | ..... | 8 | light. |

BLUE CANYON, CAL. J. B. KNAPP.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| January | ..... | 83 | 114 | 39 | ..... | 8 | |

## EXTRACTS FROM SPECIAL REPORTS.

The following brief extracts from reports by the section directors and observers, are nearly unanimous in support of the 7 conclusions given above, and, indeed, there has been no real difference of opinion expressed:

*Bismarck, N. Dak., O. W. Roberts, Section Director.*—The general conclusions reached as to the various methods of snow measurement are that, the snow bin is the best, the others ranking as follows, platform, regular snow gage, vertical scale, and standpipe. The results obtained from the use of the latter are such as to warrant the discontinuance of this system. I regret to state that the results from the vertical scale were not such as were expected. Whenever there was a discrepancy between readings of the snow bin, regular snow gage (station) and the snow platform, it was found that the largest amount was contained in the snow bin, and the least in the snow gage. Owing to the fact that the comparative apparatus was located in the midst of a dense wood, where there was seldom, if ever, any perceptible wind movement, the accumulated snow was

quite uniform both in the snow bin and on the platform. It is believed that had the snow bin been equipped with louvers the measurements at various parts of the snow bin would have been still more uniform. For conditions in this vicinity the louvered snow bin, vertical scale, and station snow gage are all that is required. Under certain conditions it is obviously necessary to equip the louvered snow bin with an attachment for storing the accumulated snow for a considerable time.

*Huron, S. Dak., S. W. Glenn, Section Director.*—In my judgment the bin louvered inside, the vertical scale, and the Weather Bureau gage, are the best for the purpose. The mountain snowfall observers have in some instances complained that a high wind will sometimes either blow part of the snowfall out of the plain bin or pile and compact it in the corners. Some of the snow that falls here, particularly in very cold weather, is feathery and light, and is easily affected by a wind of only moderate force. In this State the platform is practically worthless, and the standpipe does not appear to properly catch the snowfall.

*Helena, Mont., R. F. Young, Section Director.*—I have the honor to state that the work in this connection at this station confirm, in most part, the conclusions [summarized above (1) to (7)]. This is not entirely true, however, in the case of the platform and board scales. The platform at Dry Gulch station, near Helena, appeared to catch at least as nearly the normal fall of snow as the louvered box, and it was invariably more evenly distributed. In no case was there any noticeable drifting of the snow on or off the platform. The reason for these favorable results may doubtless be found in the fact that the platform was entirely surrounded by a fairly thick growth of small timber, which protected it from the effects of high winds. At the Red Lodge, Mont., station, which is wholly unprotected by timber, the platform was found to be unreliable in storms accompanied by high winds. There are some rather serious defects in the board scales as a means of obtaining the depth of snow on the ground They appear to serve fairly well where snow accumulates to a depth of several feet, but even here the depth, as a rule, can not be read from a distance with any degree of accuracy because of the depression that always exists around an object of this kind. For ascertaining the depth on the ground it is believed that, on the whole, better results could be obtained by the use of specially designed measuring rods (as Church's tubes) the measurements to be taken in permanently selected localities. These places might be marked with signs and numbers, in order that the depth from month to month, and from season to season, may be comparable.

*Red Lodge, Mont., J. A. Draper, Observer.*—The platform is a very inaccurate apparatus to take measurements from owing to the fact that when the snow is shoveled from it after each storm the wind drifts it full regardless of how heavy the snowfall actually is. Commenting on the screened bin I can only say that it has done remarkable service so far. I believe that this method of catching the snow comes nearer representing the true snowfall than any method yet inaugurated. The snow is generally level in the bin, and but very little clings to the slanting boards nailed on the inside. When the storm is accompanied by very high wind, however, there will be a little snow clinging to the louvered boards. The pipe has not, to my thinking, caught a very true proportion of the snow. It seems to catch the snow and hold it on the sides of the can at the top while at the bottom, or near the bottom of the pipe, it clings only to one side, depending, of course, on the force of the wind. Regarding the plain bin, I will say that if the wind is light, or none, the snowfall will be level in the box, but if it is accompanied by high wind the snow will drift in the bin.

*Boise, Idaho, E. L. Wells, Section Director.*—I have the honor to report that such experiments as have been made in this State lead to the conclusion that the louvered bin without screens gives the best results. In many sections the platform would probably do as well, as in the forested mountains regions the snow falls with very little wind and seldom drifts. This would not be true of the barren ridges. The 10-inch pipe has not given good results. The vertical scale is of value in giving the depths of snow on the ground, particularly in forested areas, where the snowfall is uniform. The observer from the Sheep Hill station reported that he failed to discover any evidence of eddies in the air currents in the louvered snow bin. In his opinion the louvers are a distinct advantage, the snow in the louverd bin being absolutely level, no matter which direction the wind is during the storm. He states that the screens do not affect the catch of the bin. When the snow is dry it goes through the screens, and when it is moist it accumulates on them and topples over into the bin.

*Phoenix, Ariz., L. N. Jesunofsky, Section Director.*—There is no doubt but that the outer and upper screen attachments on the 5-foot cubical snow bins do not serve the purpose for which intended. The observations made with the plain bin and the louvered bin show that a larger percentage of snow is collected in the louvered bin, and that the snow lies more evenly in the bottom of the louvered bin. The 10-foot standpipe has given no satisfactory results whatever. The snowfall is collected on the inner sides, scarcely reaching the bottom of the pipe. In melting the snowfall after it is caught in the standpipe, the water equivalent is found to be about 25 to 50 per cent less than the measurements made from the plain snowgage. With reference to the measurement of snowfall made from the 10-foot platform, it was found that, where from 5.0 to 15.0 inches of snow laid on the ground, in many cases the platform was bare on one side, with perhaps 2 to 5 inches of snowfall on the opposite side, and that the faster the wind blew the less snow settled upon the platform. It would seem that the best interests of the Mountain Snowfall Service require the use of the louvered snow bin, the snow scale, and the Weather Bureau rain gage, since they have given the best results obtainable under normal conditions. For converting the snow bin into a seasonal snow gage for storing snow in the form of water, in inaccessible mountain regions during the winter months, it appears that many difficulties will have to be overcome; first, the cost of installation; second, the manner of carrying the material to the more elevated points of observation. With regard to the best method of storing snow in the form of water, I would suggest that the capacity of the snow bins be increased to just double their present volume. The inner and lower portions should be lined with zinc or tin up to 5 feet, so that the water will not leak. This plan would work practically if oil and salt were mixed together in the bottom of the bin.

*Coconino, Experiment Forest Station, Ariz., G. A. Pearson, Observer.*—The snow seems to accumulate on the louver planes on the windward side of the bin, while on the leeward side it drops down. The result is that on the windward side the snow along the edge of the bin, immediately below the louver planes, is below the normal depth, while on the opposite side it is above normal depth. As shown by the diagram[1] the measurements near the center are fairly uniform, and the average of all the measurements for the bin gives a result very close to that obtained by taking the average of several measurements on the ground. I regard the platform as impracticable for two reasons: first, where there is any wind at all snow blows on to the platform from the surrounding areas so that it is necessary to clean it off each day; second, when the snow on the ground lies above the level of the platform fresh snow, if accompanied by any wind at all, will fill up the entire space above the platform, thus registering a depth equal to the total depth of both the fresh and the old snow on the surrounding areas.

*Denver, Colo., F. H. Brandenburg, Section Director.*—I have the honor to report that my experience justifies the following

[1] Diagram omitted.

conclusions: The platform is of value only in glades or other places protected from the winds. The standpipe is unreliable; it is apt to clog under certain conditions, and in others it fails to make the proper catch. The plain bin is fairly satisfactory in slight to moderate winds. In high winds measurements made 1 foot from each corner and in the center rarely show anything approaching uniformity. The louver bin has been found to be the most satisfactory device with which I am familiar. With tight sides so that high winds can not disturb the snow, the depths a foot from the corners and in the center have rarely shown serious disparities as regards depths. The outside curved louvers apparently add little or nothing to the value of the bin. *For ordinary mountain stations where daily observations are taken I think it advisable to keep the rain as well as the snow gage in the center of the bin with the top say 12 inches above the floor.* The alterations in the bins in use would be simply the cutting of a hole for the gage, the Weather Bureau crate being discarded. The support for the part of the gage projecting below the floor of the bin could be so arranged as to permit the removal of the gage without going into the bin. This would be of advantage when precipitation is in the form of rain.

*Salt Lake City, Utah, A. H. Thiessen, Section Director.*–Most of my observers agree that the louvered bin catches the snow best, but they complain of the inability of any bin retaining the snow which has melted, that is any bin now in use by this Bureau. The following description of a bin devised by Mr. Alter, is worthy of consideration: This bin consists of a vertical pipe or tank with corrugated sides, the corrugations running up and down, to prevent breaking during freezes. About 6 inches from the top is a shield or apron to counteract eddies. The apron does not join direct to the pipe, the opening allowing the snow accumulated on it to fall through to the ground. In operation the snow and precipitation in the form of water falls in the tank, and settles on a layer of oil heavier than water which covers the bottom to a depth of 6 inches. While this has never been practically tried it is supposed that this quantity of oil will prevent the tank from bursting where the bottom is fastened to sides, and that the corrugations will give enough to prevent the sides from breaking. Of course, a light oil should also be used to keep the liquid surface in the gage covered to prevent evaporation.

*Mount Rose Ranch, Nev., F. T. Elkins, Observer.*—The louver snow bin recorded a trifle less than the plain snow bin, probably on account of some of the snow being held on the angle boards. The 10-inch pipe was useless for recording snow. The first of the snow was very wet and adhered closely to the metal work, clogging the orifice of the 10-inch pipe and materially reducing its diameter. The concave wirework of the louver bin held no snow, but the snow piled on the convex network to the same depth as that contained in the bin. On the platform the drift was deeper and diametrically different, varying from 11 inches at the south end to 4 inches at the north end.

*Reno, Nev., H. F. Alps, Section Director.*—The measurement of snow in the stand pipes showed the depths to be much less than measurements taken in the other pieces, and this is due to the moist snow collecting at the top and decreasing the size of the opening. There was little difference in the readings of the plain snow bin and the louver bin fitted with wire screens. It seems that when the snow is moist, or the wind light, the snow adheres to the wire screens and closes the meshes. The observers generally agree that the snow bin affords the best means of measuring the daily snowfall. The snow bin, rain gage, and snow scales make a very good station equipment.

*Greenhorn, Oreg., Alfred Chase, Observer.*—I believe the snow bin is giving an accurate record of the snowfall, and raising or lowering the outside louvers would not better the apparatus. The 10-foot platform is now at the bottom of a 6-foot hole, and so catches much drift, several feet of snow sometimes blowing onto it. I have tried to eliminate drift from my measurements, and so when much snow has drifted I have put the snow bin measurement for the platform. The 10-foot pipe varies considerably, sometimes giving about as much as the snow gage, and at other times very much less. I do not consider either platform or 10-foot pipe of much practical use up here in in the deep snow country.

*Blue Canyon, Cal., J. B. Knapp, Observer.*—To my mind, the bin is the only reliable machine to measure snow in. The platform works as well as the bin when there is no wind, or as long as it is kept on the level with the snow, but when the old snow gets higher than the platform, the winds drifts the snow on it in a short time. The pipe I believe to be absolutely worthless. If the snow is a little damp it gathers around the aperture and in a short time closes it very nearly up. Even with a dry, light snow the pipe does not seem to catch it. This may be caused by the wind.

*Sacramento, Cal., N. R. Taylor, Local Forecaster.*—I quite agree with you (J. B. Knapp) as to the impracticability of the pipe and platform. I also, think that Professor McAdie shares our opinion.

*San Francisco, Cal., Prof. A. G. McAdie.*—In general my experience confirms the views of the Central Office with regard to the unreliability of the platform and the unlouvered snow bin.

FIG. 5.—Mountain Snowfall Observer at the Reserve scale station No. 69, Jackson County, Oreg.

### THE SEASONAL SNOW TOWER AND THE RAIN GAGE.

It is necessary to infer from the preceding uniform testimony that it is not proper to give further consideration to any plan of constructing a seasonal snow or rain gage that depends upon a pipe having a small diameter, such as the usual Weather Bureau rain gage, the 10-inch standpipe, and the numerous automatic devices fitted with similar pipes for the catchment. On the other hand, it has been made plain that a large louvered bin affords such a control to the precipitation that a small pipe set near the bottom of the bin will receive a normal amount of snow and rainfall. *We infer that all the stations of the Weather Bureau should be equipped with snow bins, and that the rain gages should be placed inside, the open top being within a few inches of the floor of the bin.* This apparatus will tend to relieve the problem of catching precipitation in the cities, where the wind eddies are so troublesome around the bulidings.

Having arrived at a sound principal for catching the snow and rainfall, it is proper to make suggestions regarding a seasonal reservoir for conserving the precipitation, to be used in places difficult of access to regular observations. It seems to me that we can properly make some experiments along the following lines:

1. Convert the snow bin into a snow tower, 10 or 20 feet high as required, by boarding down on the frame to the ground. Insert a galvanized iron, or a copper, tank of of rather large sectional area, say 3 feet square; slope the bottom boards of the floor of the bin so that the snow or rain will readily slip down into the tank; fill the space between the tower and the tank with hay, leaves, sawdust, or earth for a protection against cold winds and moderate freezes; put in a piece of rubber tube about 3 inches in diameter, to relieve the pressure on the the tank if the ice forms, so as to stand vertically in the tank from the bottom to the top; a good supply of light oil should be placed in the tank to check the evaporation; it is probable that a supply of salt will be useful in turning the snow into water, if the rusting effects on the metal of the tank can be avoided; the arrangement of door, ladder, and conveniences can be left to experience.

2. It would be well to take up the problems regarding the further development of the snow towers, in connection with the forest experiment stations, where the presence of suitable observers in the field will insure proper suggestion and supervision. It is my belief that by a proper adjustment of the *outside* louvers, some further improvement can be made in separating the horizontal drift from the vertical component of the fall.

3. There will be considerable expense connected with the construction and the installation of snow towers in remote mountain places, but it is evident that the problems of irrigation and water power will soon justify very considerable expenditures of money in this direction.

The following remarks on the seasonal snow gage are extracted from the reports from the section directors:

*Denver, Colo., F. H. Brandenburg, Section Director.*—I inclose a sketch[1] of a form of seasonal snow gage that I think will give satisfactory results with the use of salt and oil. The outside is the snow bin in use, with the exception that the boards extend to the ground with a low door. The floor is omitted. In the center is placed a metal cylinder about 24 inches in diameter and 6½ feet tall, the bottom resting near the ground. A faucet at the bottom similar to that on the tipping bucket gage will permit emptying the gage. About 4 feet above the bottom a tight-fitting door should be provided to permit inspection of the inside of the receptacle. This form of gage obviates the necessity of making an excavation to prevent freezing, as the snow that falls alongside the gage would afford as satisfactory protection from the cold as an excavation unless this were made very deep.

*Portland, Oreg., E. A. Beals, District Forecaster.*—After a careful study of the letters received from the snowfall observers in this State, I have concluded that the louvered bin, with sloping or hopper bottom opening into a metal or cement storage reservoir, is the only practical plan so far suggested; the use of salt and oil in the reservoir would avoid freezing and evaporation. The construction of the storage reservoir could be varied to suit the location of the bin. On some of the small benches in the mountains, the container could be sunk in the ground, but on the rocky slopes and summits this would be impossible unless blasting were resorted to. The construction and maintenance of these bins would undoubtedly be expensive. Among other plans suggested is that of a louvered bin with a depth of 10 feet or more; the bottom to be lined or made water tight to a height of 5 feet, and the winter snowfall to be allowed to accumulate in this bottom. Freezing and evaporation could be avoided by the use of salt and oil.

*San Francisco, Cal., Prof. A. G. McAdie.*—My opinions regarding the proper method of measuring snow are as follows:

1. Depth of snow is of less importance than the density of the snow.

[1] Omitted.



2. As far as possible we should record the water equivalent. At low levels this is best done by a weighing snow gage, something similar to Fergusson's automatic snow gage.

3. At elevations above 5,000 feet, and at inaccessible places, some gage of tank form will be necessary.

4. Prof. J. E. Church, jr., of the University of Nevada, Reno, has a form of gage which may be serviceable in sampling snow density during one or more day's travel.

5. Regarding the type of seasonal snow gage designed by the writer, I have received under date of March 27, a letter from Professor Church, in which the following occurs:

> The water in your tank at the ranch did not freeze a single time during the winter. If we can increase the diameter of the intake pipe to 18 inches without permitting undue evaporation from the tank, we can probably catch sufficient of the entire evaporation to indicate the essential fall of the snow. The narrow intake pipe is too small for winds, though satisfactory where calms exist.

I think Professor Church's suggestion a good one, either to increase the diameter of the intake pipe, or to combine some form of bin, properly louvered, with the tank arrangement below. There is, therefore, a general opinion that the louvered snow bin can advantageously be converted into snow towers for conserving a season's snow.

Judging from all these reports it would seem to be good policy to take the two following steps:

1. Introduce the snow bin at all Weather Bureau stations in the United States for the catchment of snow and rain.

2. Continue experiments with the snow bin towers in order to arrive at the best form of the apparatus for conserving a seasonal snowfall in places where no observers reside, but which can be visited twice each year, first in the autumn when snows begin to fall, and second in the spring just before melting takes place.

Without taking up further the developments of the snowfall in connection with the topography of a region, there are certain ideas which make it probable that the relations between snowfall and accumulations in the gulches and ravines can be worked out, if the necessary observations with snow towers can be secured.

## THE TEMPERATURE CONDITIONS OF BOSTON, MASS.[1]

By ANDREW H. PALMER, A.M. Dated Cambridge, Mass., Apr. 28, 1910.

### INTRODUCTION.

The following is an abstract of a quantitative study of the temperature conditions of Boston, Mass., based upon observations made by means of standard instruments for a period of 38 years. Little attempt is here made to explain the causes of the results obtained. During the period under consideration the exposure of the thermometer was changed twice, the present exposure being that inside the standard instrument shelter of the United States Weather Bureau located on the roof of the Boston Post-Office Building. Its height is 115 feet above the street level and 125 feet above the level of the sea. In regard to the changes in the position of the instruments, it should be stated that neither of the two changes was great enough to affect the results in any marked degree, as the three locations are less than 200 feet apart horizontally and not more than 25 feet vertically. Although there was undoubtedly some slight effect caused by these changes in exposure, it was so slight that no correction was applied by the Weather Bureau, and none has been applied in the present study. It should also be stated that all of the temperature readings are given in degrees Fahrenheit.

[1] A study of the temperatures of Boston, based upon the observations made by the United States Signal Service and the United States Weather Bureau during the period January 1, 1871–January 1, 1909, consisting of a brief summary of a thesis prepared under the direction of Prof. R. DeC. Ward in an advanced course in climatology, Geology 20e, at Harvard University, between February and June, 1909.

*Monthly and annual mean temperatures.*[2]

| Year. | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1871 | 26 | 29 | 42 | 47 | 58 | 66 | 71 | 72 | **59** | 54 | 37 | 28 | 48.9 |
| 1872 | 27 | 28 | **26** | 47 | 59 | 69 | **76** | 73 | 64 | 52 | 41 | 23 | 48.8 |
| 1873 | 25 | 26 | 34 | 45 | 57 | 67 | 73 | 70 | 63 | 54 | **33** | 32 | 48.2 |
| 1874 | 30 | 27 | 34 | **39** | 55 | 66 | 73 | 68 | 64 | 53 | 42 | 31 | 48.6 |
| 1875 | **20** | 22 | 31 | 43 | 58 | 67 | 72 | 71 | 61 | 50 | 35 | 30 | **46.6** |
| 1876 | 31 | 27 | 33 | 44 | 55 | 69 | 74 | 70 | 60 | 48 | 41 | **22** | 47.9 |
| 1877 | 25 | **34** | 35 | 44 | 55 | 67 | 71 | 72 | 65 | 52 | 44 | 36 | 50.1 |
| 1878 | 28 | 31 | 40 | 48 | 56 | 65 | 74 | 70 | 64 | 56 | 41 | 30 | 50.2 |
| 1879 | 24 | 25 | 34 | 43 | 60 | 65 | 71 | 69 | 62 | **58** | 39 | 32 | 48.4 |
| 1880 | 35 | 32 | 33 | 46 | **64** | 69 | 72 | 71 | 65 | 52 | 38 | 27 | 50.3 |
| 1881 | 22 | 28 | 37 | 44 | 57 | 62 | 70 | 71 | **68** | 54 | 44 | 39 | 49.6 |
| 1882 | 26 | 30 | 36 | 43 | **51** | 67 | 73 | 72 | 64 | 55 | 39 | 30 | 48.8 |
| 1883 | 24 | 29 | 31 | 45 | 56 | **70** | 72 | 68 | 60 | **42** | 43 | 29 | 47.9 |
| 1884 | 24 | 31 | 34 | 44 | 55 | 67 | 69 | 70 | 67 | 53 | 41 | 34 | 49.0 |
| 1885 | 27 | **21** | 28 | 47 | 53 | 67 | 72 | 68 | 60 | 52 | 44 | 33 | 47.6 |
| 1886 | 26 | 27 | 33 | 49 | 57 | 63 | 71 | 68 | 63 | 52 | 43 | 28 | 48.4 |
| 1887 | 25 | 29 | 32 | 44 | 60 | 65 | 75 | 68 | 60 | 52 | 42 | 32 | 48.5 |
| 1888 | **20** | 28 | 32 | 43 | 53 | 67 | 69 | 70 | 60 | 48 | 44 | 35 | 47.3 |
| 1889 | 36 | 26 | 38 | 43 | 60 | 69 | 69 | 67 | 63 | 48 | 45 | 38 | 50.7 |
| 1890 | 32 | 33 | 35 | 46 | 57 | 64 | 71 | 69 | 63 | 51 | 42 | 26 | 49.1 |
| 1891 | 31 | 32 | 34 | 48 | 56 | 65 | 69 | 70 | 67 | 52 | 41 | **40** | 50.4 |
| 1892 | 28 | 28 | 33 | 48 | 56 | **70** | 73 | 70 | 62 | 53 | 41 | 30 | 49.4 |
| 1893 | 21 | 27 | 34 | 44 | 56 | 65 | 71 | 70 | 60 | 55 | 42 | 30 | 47.9 |
| 1894 | 30 | 27 | 42 | 47 | 58 | 69 | 74 | 68 | 65 | 54 | 38 | 32 | 50.3 |
| 1895 | 29 | 25 | 35 | 46 | 60 | 67 | 69 | 71 | 66 | 50 | 45 | 36 | 49.8 |
| 1896 | 25 | 29 | 32 | 47 | 60 | 66 | 72 | 71 | 62 | 50 | **46** | 30 | 49.2 |
| 1897 | 28 | 31 | 37 | **49** | 58 | 62 | 72 | 70 | 63 | 54 | 41 | 34 | 49.9 |
| 1898 | 29 | 33 | 43 | 44 | 56 | 66 | 72 | **73** | 66 | 54 | 42 | 32 | 50.8 |
| 1899 | 29 | 27 | 34 | 48 | 58 | **70** | 73 | 69 | 62 | 54 | 42 | 36 | 50.2 |
| 1900 | 30 | 29 | 34 | **49** | 55 | 69 | 74 | 71 | 65 | 57 | 45 | 33 | 50.8 |
| 1901 | 28 | 24 | 36 | 44 | 54 | 68 | 73 | 71 | 65 | 54 | 37 | 32 | 49.0 |
| 1902 | 27 | 29 | 43 | 48 | 58 | 64 | **62** | 68 | 63 | 54 | **46** | 28 | 49.6 |
| 1903 | 27 | 31 | **44** | 48 | 58 | **60** | 71 | **65** | 64 | 54 | 40 | 29 | 49.5 |
| 1904 | 22 | 23 | 35 | 45 | 61 | 64 | 71 | 69 | 62 | 51 | 38 | 28 | 47.1 |
| 1905 | 25 | 23 | 37 | 47 | 58 | 65 | 73 | 69 | 62 | 54 | 45 | 35 | 49.1 |
| 1906 | **36** | 30 | 32 | 47 | 58 | 66 | 70 | 72 | 65 | 52 | 42 | 29 | 50.0 |
| 1907 | 27 | 22 | 38 | 43 | 52 | 65 | 72 | 70 | 64 | 50 | 43 | 37 | 48.7 |
| 1908 | 31 | 27 | 39 | 47 | 59 | **70** | 74 | 69 | 66 | 55 | 44 | 33 | **51.2** |
| Means. | 27.3 | 27.9 | 35.3 | 45.7 | 57.0 | 66.4 | 71.8 | 69.8 | 63.3 | 52.7 | 41.4 | 31.5 | 49.2 |

NOTE.—Bold face figures indicate highest and lowest monthly means.

The mean monthly temperatures consist of the averages of the mean temperatures of all the days which constitute each of the several months, while the mean annual temperatures are the means of the 12 mean monthly temperatures.

In general it may be said that the departures of the mean temperatures of individual months from the established normals decrease during the summer and increase during the winter. In other words, the summer months depart from the normals for these months by small amounts (in their mean temperatures), while winter months frequently are considerably warmer or colder than the established averages for those months. In regard to periodicity, while it is true that there are many instances of 5 or more months in successive years either above or below the normal in their mean temperatures, these do not occur during the same periods for successive months, neither do the periods alternate on one side of the normal and then on the other for any given month during successive years.

Of the 4 seasons, spring is nearest, in its mean temperature, to that for the year, being only 3.2° less than 49.2°, the average established for the year. On the other hand, the mean temperature for winter is 20.3° lower than the normal for the year. During the period of 38 years considered, 3 winters have been more than 4° warmer than the average, while 4 winters have been colder than the average by the same amount. There is a series of 6 consecutive years, 1883–1888, inclusive, with abnormally cold winters, and another series of 5 consecutive years, 1896–1900, inclusive, in which the winters were abnormally warm. The fact that these periods are separated by alternately warm and cold winters does not allow the conclusion to be drawn that a series of cold winters is followed by a series of warm winters, nor that there is a periodic or a recurring condition in the thermal characteristics of the winter season. (In this summary the winter of any year refers to the winter of which the first 2 months of that year form a part).

The range of the departures for spring is considerably less than that of winter, there being but one departure in spring of 4° or more. There is a series of 6 years, 1872–1877, inclusive, in which the mean temperature of spring is uniformly below the normal, and another series of the same number of years, 1894–1899, inclusive, in which the spring seasons are warmer than the normal. These 2 series are separated, however, by 16 years of alternately warm and cold springs.

Of all the seasons of the year, summer is least likely to deviate from the normal in its temperature by a large amount, as is shown by the fact that there is only 1 positive departure, in the 38 years, of over 2° and but 2 negative departures of the same amount. Moreover, there is no suggestion of alternate series of warm and cold summers, as there is not a single period of 5 or more consecutive years in which the mean summer temperatures are uniformly above or below the normal.

In its departures from the mean, the temperatures of autumn resemble those of summer in the decreased range of its departures. Moreover, it more nearly resembles summer in this respect than does spring, there being no departures of 4° or more from the normal, and only 1 positive and 1 negative departure of at least 3°. There is 1 period of 6 consecutive years, 1895–1900, inclusive, in which the autumn means are all above the normal.

The fact that only 1 year since 1871, has had a mean temperature which differed from the normal by more than 2° makes it absurd to speak of any one of these years being decidedly warm or cold. The year with the greatest departure was 1875, when the mean temperature was 46.6°, or 2.6° below the normal. The warmest year here considered was 1908, with a mean temperature of 51.2°, or exactly 2° above the normal. There are 2 series of years in which the mean temperatures are uniformly below normal, the first of 6 years, 1871–1876, inclusive, and the other of 7 years, 1882–1888, inclusive. The fact that these 2 periods are separated by 5 alternately warm and cold years offsets the idea of periodicity. The temperature conditions of the 38 years may be described, in relative terms, as follows: 6 cold years, 5 alternately warm and cold years, 7 cold years, 8 alternately warm and cold years, 4 warm years, and 8 alternately warm and cold years.

### THE MAXIMUM AND MINIMUM TEMPERATURES.

The mean monthly extremes are as regular in their changes as are the mean monthly temperatures. Moreover, the mean monthly range is strikingly regular in its increase, during the latter half of the year, to a maximum in midwinter, and in its decrease, during the first half of the year, to a minimum in August—the usual characteristic for intermediate latitudes.

A record of the maximum and minimum temperatures for each one of a long number of years is often regarded as unreliable by an investigator because of a characteristic of human nature by which unusual experiences are greatly magnified when viewed in retrospect, and for that reason extremes of temperature are thought of as being greater than was actually the case. Moreover, the fact that if the investigator has changed his place of residence from a warmer to a colder house, or vice versa, or has moved from the country to the city, or vice versa, it may have greatly affected his experiences during extremes. Furthermore, it should be said that the extremes here given are those recorded by tested instruments located in a standard shelter on the roof of a building, as stated above, and hence need not agree with the true temperatures at the street level below, with incorrect temperatures shown by inaccurate instruments variously located or improperly exposed.

It was found that the extreme maximum temperature for each year has not been below 91°, the mean annual extreme maximum for the period being 95.4° It is worthy of note that the highest temperature experienced in 38 years, namely, 102°, occurred in September, an autumn month, and 2 months after the warmest day of the year in the average. In the case of the extreme minimum temperatures, the disagreement with most people's impressions of past experiences is more marked, partly because of the real difference in the temperature conditions in

[2] Computed at the Boston Station of the United States Weather Bureau.

the roof shelter and on the street level, but principally because of the inaccuracy of cheap thermometers in recording low temperatures. The lowest temperature of the period occurred in January, although the coldest day in the average comes in February. By a singular coincidence the highest and the lowest temperatures recorded in the whole period are separated in time by less than 5 months, the difference between the maximum of September 7, 1881 (102°), and the minimum of January 24, 1882 (−13°), being 115°.

The range between the extreme temperatures of each year is fairly uniform for the period, it being never less than 90° nor more than 108°, the mean annual range being 99.7°. In the case of the monthly range of extreme temperatures, those of the summer months are small, while those of the winter months are comparatively large.

A selection of the warmest and the coldest months of the period brings out the fact that the winter months depart further from the normal both in their maxima and in their minima than do the summer months. December and March each have a range of 18° between the maximum and minimum mean monthly temperatures, while July and August each have a range of less than half that amount, namely, 8°. Such a condition might be expected from the difference in variability of the 2 halves of the year, as shown above. It is also noteworthy that in only 1 case are 2 consecutive months the warmest in the period, this being true for July and August, 1872, the latter month, however, being no warmer than August, 1898. In the list of coldest months, 1888 appears twice, as does also 1903.

The range between the warmest and coldest mean seasonal temperatures during the period shows a decrease from the maximum of 10.0° in winter to a minimum of 7.0° in autumn, summer having but 0.1° greater range in this respect than spring. It is also worthy of note that no 2 warm seasons occur in any 1 year, while but 2 cold seasons occur in 1 year, the latter case being the winter and autumn of 1875.

The warmest year of the 38, 1908, does not contain any 1 season which is the warmest for the period. On the other hand, 1875, the coldest year, had 2 seasons which were respectively the coldest in the period. The year 1908 was 2° warmer than the average, while 1875 was 2.6° colder than the normal. The relative sameness in the temperatures of recurring years is shown by the fact that the range between the mean of the warmest and the coldest years, respectively, of the period was only 4.6°.

A determination of the percentage of the normal seasons, and seasons above or below normal, in their mean temperatures, brings out the fact that autumn and winter are less likely to be normal in their means than are spring and summer. The fact that a fairly equal proportion of the seasons of the past 38 years has been above and below normal justifies the statement already made that no progressive change, either above or below the normal, is to be noted during the period.

A study of the relation of warm and cold winters and summers to the mean temperatures of the seasons following seems to show that a warm or cold winter or summer is far more likely to be followed by average seasons, for the next year at least, than by similarly warm or cold seasons. In other words, it is more likely that a cold winter will be followed by an average spring than by a cold spring. In only 3 cases out of a possible 16 has a warm or a cold season been followed by other than average seasons. In a similar manner, in the case of the 8 cold years that have occurred, 5 of the years following have, in each case, been average in temperature, while for the 8 warm years, 6 have been followed by average years.

### THE DAILY TEMPERATURES.

In order to obtain the mean temperature for each day of the year, the average of the maximum and minimum temperatures of each day of the last 37 years, 1872–1908, inclusive, was obtained at the Boston station. The average of the 37 maxima gave the mean maximum, and the same for the minima gave the mean minimum for each day of the year. The average of the mean maximum and mean minimum temperatures was taken as the mean daily temperature, similar to the method employed by the Weather Bureau. (According to Professor Hann, the eminent European authority, this average is somewhat higher than the true mean, "the difference being about 1.3° F. in the majority of climates throughout the year.") It is to be noted that February 2 is, in the average, the coldest day of the year, with a temperature of 23.4°, while July 8, with a temperature of 73.0°, is the warmest. It is a peculiar fact that the coldest day of the year does not occur in the coldest month of the year, namely, January.

The irregularity from day to day, as well as the general rise and fall with the season, of the mean daily temperature is apparent when curves based upon these means are drawn. The period of 38 years is not sufficiently long to overcome these irregular changes, and a considerably longer time will be required to make the curve a smooth one.

It is to be noted that there are several instances of periods of 3 to 6 consecutive days which are relatively warm or cold as compared with the immediately preceding or following days, due allowance being made for the seasonal rise or fall of temperature. This is a condition which is not peculiar to Boston, but is found wherever the mean daily temperatures have been studied. In Europe the matter has received careful attention, and many such periods have been found to occur simultaneously over wide areas. In the United States the mean daily temperatures for Baltimore alone have been studied in this connection.

From a long series of observations made in Europe, Dr. R. Assmann has shown that May 10–13 is abnormally cold over a region extending from Scandanavia through central Europe. W. J. Van Bebber, from a series of weather maps, has pointed out a parallel series of progressive pressure departures over the same area, giving clear skies, northerly winds, and hence low temperatures. Such days as these have received special names, these particular ones being called the "Three Ice Saints" or the "Three Ice Men." In Baltimore and in Boston no abnormally cold period occurs about that time. In fact, May 9–12, inclusive, is an unusually warm period at both places. Both cities also agree in having warm periods at other times of the year, such as March 7–12, April 12–13, December 21–23, and most markedly, January 21–23, all inclusive. However, Baltimore experiences a cold period of 2 or 3 days about June 20, and another about July 20, which Boston does not have. Moreover, Boston has a warm period from February 10–16, inclusive, which the temperature curves of Baltimore do not even suggest. All of these irregularities invite investigation as to their causation.

No evidence of periodicity is seen in the mean daily temperatures of Boston. The regular march of the temperature upward in spring and downward in autumn is often overcome by irregular changes when 2 or 3 days only are considered. However, when a period of 10 or more days is taken, the general tendency is easily apparent. It is a noteworthy fact that the irregular changes in the maximum and minimum temperatures are quite parallel, an abrupt rise in the one generally being accompanied by a similar abrupt rise in the other, the same being true for decreases in temperature. As the mean is simply the average of these 2, it naturally follows that curves based upon the 3 kinds of mean temperatures will therefore be somewhat parallel, though very irregular throughout.

### THE HOURLY TEMPERATURES.

It has been the custom of the Weather Bureau (until 1905) to record the temperature of each hour of the day, as deduced from the corrected thermograph record. From these data the mean

hourly temperature for every month of the years 1890–1904, inclusive, has been obtained. The period of 15 years is probably sufficiently long to make the averages reliable, a total of 131,472 observations serving as a basis for the final table of means.

The changes from hour to hour and from month to month are regular and even, no striking exceptions having been noted. As might have been expected, the coldest hour of the 24 varies somewhat, owing to the change, from month to month, in the time of sunrise. It appears to be the hour 6–7 a. m. in the colder part of the winter, and the hour 4–5 a. m. in the warmer part of the summer. The change in the hour of maximum temperature is not so marked, the exact time being about 3 o'clock in the afternoon in winter, while in summer it is nearer 2 o'clock.

FIG. 1.—Model of "chronoisotherms" for Boston, Mass. (Side view.)

## THE MODEL OF THE CHRONOISOTHERMS OF BOSTON.

As an outgrowth of the research, of which the accompanying paper is a brief summary, a model of the "chronoisotherms" of Boston was also made (see figs. 1 and 2). The model is constructed of plaster of Paris, and is probably the first of its kind. It has been placed in permanent position in the Geological Museum of Harvard University. The model is 2 feet long and 1 foot wide, and its 3 dimensions show months, hours, and temperatures. Along one side of the rectangular base vertical lines are drawn, at equal intervals, to show the 24 hours (see fig. 1), and along the other side 12 vertical lines represent the months (see fig. 2). The heights of the upper surface of the model, measured from the base, represent the mean hourly temperatures. This upper surface is subdivided into 12 areas, representing different degrees of heat and cold, and each area is colored, different shades of red being used for the higher temperatures, and different shades of blue for the lower. By means of this model it is possible to ascertain, easily and with great accuracy, the mean temperature of any hour of any month of the year. The data used in the construction are the averages of the hourly temperatures recorded at the Boston office of the United States Weather Bureau during the period of 15 years, 1890–1904, inclusive, consisting of a total of 131,472 observations. The modelling of climatological data in clay or plaster of Paris is a wholly new idea, and such models are likely to be of value in the climatological instruction of the future.

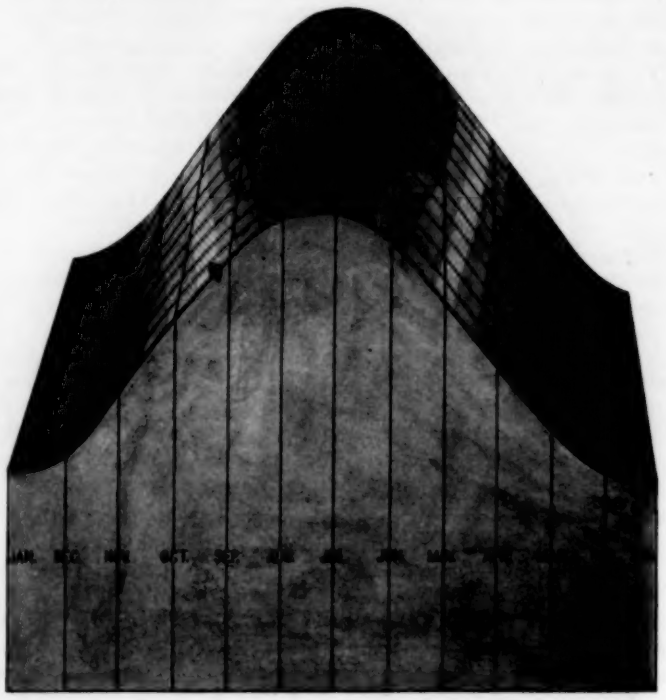



FIG. 2.—Model of "chronoisotherms" for Boston, Mass. (End view.)

## WEATHER, FORECASTS, AND WARNINGS FOR THE MONTH.

By Prof. H. C. FRANKENFIELD, in charge of Forecast Division.

A period of unusually warm weather that had prevailed over the extreme Southwest during the closing days of May spread thence eastward and northward and gave exceptionally high temperatures over the west Gulf States and the Plateau region during the first week in June; at the same time, the weather remained unusually cool for the season in the Northwestern States, the Mississippi and Ohio valleys, the Lake region, and the northeastern districts, with temperatures near the freezing point along the northern border from Montana to New England. Temperatures as low as or lower than ever before recorded at this season occurred during the first days of the month in New England, over portions of the Middle Atlantic States and Ohio Valley and in the northwest. Low temperatures continued during the second week in June in the Plains States, the Mississippi Valley, and the region east thereof, and on the 11th and 12th minimum temperatures at points in Nebraska, Kansas, Oklahoma, northern Texas, and Missouri equalled the lowest previously recorded in these States at this season of the year. During the above-mentioned period temperatures were uniformly above the normal over the region west of the Rocky Mountains. The middle of the month was marked by a general reversal of temperature conditions over the United States, when for the first time in several weeks the region west of the Rocky Mountains showed a deficiency and practically all regions east of the Rocky Mountains, except the Southeastern States, showed an excess in temperature. This condition continued until the close of the month. The last two weeks of the month were unusually warm and dry in all northern districts east of the Rocky Mountains, and a drought of marked severity prevailed in the Northwestern States.

The first half of the month gave general rains in the Missouri and Middle Mississippi valleys, the Gulf and Atlantic States, and Tennessee, and rains continued at frequent intervals in the Southern and Eastern States until the close of the month. The latter half of the month was without the normal rainfall in the Lake region, and generally over the upper Mississippi Valley, the Plains States, the Rocky Mountain and Plateau regions, and the Pacific States.

During the time of unusually low temperature over the Middle West and the eastern districts, the barometric pressure was considerably in excess of the normal over the North Pacific Ocean, and all disturbances that crossed the country were attended by general precipitation and followed by marked changes to lower temperature; when, however, the pressure fell to below the normal over that region, the North Pacific Ocean, disturbances crossing the country were feeble and were not attended by widespread rains. Another feature that is worthy of note is that the pressure in the region of Iceland was greatly in excess of the normal during the prevalence of the warm weather in the region east of the Rocky Mountains. Disturbances that reached the Atlantic coast districts during the first half of the month were greatly retarded in their eastward progression by the building of high barometric pressure over the Canadian Maritime Provinces. A similar condition existed in several instances during the months of April and May, 1910, in consequence of which there were prolonged periods of unsettled and showery weather in eastern districts attending low areas that moved to the Atlantic States from the West.

June opened with a barometric depression over the Lake region and Middle Atlantic States, which gave frequent showers in the region between the Missouri Valley and the Atlantic coast; this was followed by a second disturbance that moved from the Rocky Mountain region and gave showers and thunderstorms, attended by heavy rains, in the South Atlantic and Gulf States. A severe thunderstorm occurred at Augusta, Ga., on the 3d, which gave a maximum wind velocity of 60 miles an hour, uprooted trees, unroofed several buildings, and killed a number of animals. Frosts, which were successfully forecast, occurred on several days during the first week in June, and on the 4th and 5th heavy frosts in northern New York and New England did considerable damage to growing crops. Timely warnings of the frosts in these States were issued.

On June 5 the following special forecast was issued:

> The general pressure distribution over the North American Continent and the adjacent oceans is such as to indicate that during the present week more nearly normal weather conditions will prevail over the United States. A general reaction to warmer weather will set in over the Middle West and the Eastern States by the middle of the week. The week will open with showers in the Lake region and the Atlantic States and generally fair weather elsewhere. A disturbance will develop over the western Plateau region during Monday and Tuesday and move thence to the Eastern States by the close of the week. It will be attended by rains and preceded by a general change to warmer weather. Cooler weather will prevail over the region west of the Rocky Mountains during the latter half of the week.

On the 6th an area of low barometric pressure over the St. Lawrence Valley caused showers in the Atlantic States and the Lake region; this area moved eastward and it was followed by fair weather in all eastern districts during the middle of the week. An extensive area of low barometric pressure appeared over the Rocky Mountain region on the 6th, whence it moved eastward attended by widespread rains over all districts east of the Rocky Mountains. It caused heavy rains in the Atlantic and Gulf States, the Ohio, Missouri, and middle Mississippi valleys, and an area of local storms, in some instances tornadic in intensity, developed in the middle Mississippi Valley and the Gulf States on the 7th and 8th. This disturbance, on its approach to the Atlantic coast, encountered high barometric pressure over the Canadian Maritime Provinces and its eastward progress was greatly retarded thereby. A disturbance off the middle Atlantic coast on the morning of June 10, caused high easterly winds with fog and rain on the southern New England coast during the afternoon and night of the 10th. Storm warnings were issued the morning of the 10th for the region threatened. This was the only storm warning issued during the month and it was the only one required. Frost warnings were issued for the cranberry marshes of Wisconsin on the 11th.

A general reaction to higher pressure set in over the region of the Azores and the western Atlantic Ocean, and the barometric pressure over the North Pacific again assumed a normal distribution during the second week of June. These conditions called for the following weekly forecast, issued June 12:

> The week beginning June 13 will open with generally fair weather throughout the country, except that there will be a continuation of showers the first part of the week in the Atlantic States. The pressure distribution is such as to indicate that the week as a whole will be one with less than the normal rainfall over practically the entire country and with temperatures near or above the normal over the Eastern and Southern States and the Middle West. A change to cooler weather will overspread the Rocky Mountain and Plateau regions and the Plains States during the first three days of the week, followed by rising temperature in these regions beginning Wednesday. A disturbance that is forming over the Plateau region will move eastward and reach the Atlantic coast during the latter half of the week, but the indications are that it will not be attended by general rains.

The week forecast for was marked by an excess of temperature throughout all districts east of the Rocky Mountains, and in the upper Lake region, the Ohio and Mississippi valleys it was the warmest week thus far this summer. Temperatures were variable, but near or slightly below the normal over the Plateau region and on the Pacific coast and were close to the normal in the Southeastern States. There were frequent showers during the week in the Atlantic States, except that the weather was fair during its latter half in the South Atlantic States. No

general storm area passed eastwardly over the country during the week; the disturbances that developed were local and confined to the Northeastern States and the extreme Northwest. On the 18th a severe local thunderstorm developed over extreme southern New York; it was attended by a wind velocity of 58 miles an hour, and caused the loss of several lives by drowning in waters adjacent to New York, N. Y.

In the special bulletin issued June 12, it was stated that a pronounced storm had appeared on the 12th in the region of Iceland, whence it would move eastwardly, attended by stormy weather over the British Isles and northwestern Europe during the next three or four days. This disturbance moved eastwardly as forecast and caused general rains and destructive floods in northern Europe during the period specified.

On June 19 the following special forecast was issued:

The indications are that the week beginning June 20 will give normal summer conditions over the greater part of the country. The temperature will be above the seasonal average over the Plains States and the Mississippi Valley the first half of the week, followed by a change to lower temperature in these regions after Wednesday. Temperature will be near or above the normal over the Eastern and Southern States during the greater part of the week; and over the Plateau and Rocky Mountain regions and on the Pacific coast, it will be below the normal.

The weather became much warmer during the week beginning June 20 over the eastern districts and a warm wave of moderate intensity set in over the Eastern States and continued in the Middle West and the Plains States during the greater part of the week. During the first half of the week the weather was unusually warm in the Northwestern States and the upper Mississippi Valley, where the highest previously recorded temperatures for June were equalled or exceeded at a number of points. A reaction to lower temperature set in over the Eastern States on the 25th and 26th. Heat prostrations were numerous in the large cities of the Mississippi Valley and the Eastern States during the prevalence of the warm wave, and the hot wave in the Northwest was reported to have been very severe on growing crops. Cooler weather set in on the north Pacific coast about the first of the week and as it advanced eastward lower temperatures gradually overspread the northern Rocky Mountain region and Great Plains States, bringing much needed relief from the intense heat over these districts by Wednesday.

Showers were frequent during the last days of the month in the South Atlantic and Gulf States, and there were scattered showers in the Ohio Valley, the Rocky Mountain region, the northern Plains States, and New England.

*Average temperatures and departures from the normal.*

| Districts. | Number of stations. | Average temperatures for the current month. | Departures for the current month. | Accumulated departures since January 1. | Average departures since January 1. |
|---|---|---|---|---|---|
| | | ° | ° | ° | ° |
| New England | 12 | 62.4 | − 1.2 | +12.8 | + 2.1 |
| Middle Atlantic | 15 | 67.5 | − 2.6 | + 8.9 | + 1.5 |
| South Atlantic | 10 | 74.6 | − 1.6 | + 3.2 | − 0.5 |
| Florida Peninsula* | 8 | 77.9 | − 0.6 | − 1.7 | − 0.3 |
| East Gulf | 11 | 76.1 | − 2.0 | − 0.7 | − 0.1 |
| West Gulf | 10 | 77.8 | − 1.1 | + 2.4 | + 0.4 |
| Ohio Valley and Tennessee | 13 | 70.1 | − 3.2 | + 0.3 | 0.0 |
| Lower Lakes | 10 | 64.3 | − 2.6 | + 6.6 | + 1.1 |
| Upper Lakes | 12 | 64.7 | + 2.6 | +16.6 | + 2.8 |
| North Dakota* | 9 | 67.3 | + 3.3 | +25.8 | + 4.3 |
| Upper Mississippi Valley | 14 | 70.7 | − 0.2 | + 9.6 | + 1.6 |
| Missouri Valley | 12 | 70.5 | − 0.4 | +15.5 | + 2.6 |
| Northern slope | 9 | 63.9 | + 1.8 | +20.9 | + 3.5 |
| Middle slope | 6 | 72.0 | + 0.2 | +13.9 | + 2.3 |
| Southern slope* | 7 | 78.5 | − 1.4 | + 6.3 | + 1.0 |
| Southern Plateau* | 10 | 75.5 | + 0.8 | +10.1 | + 1.7 |
| Middle Plateau* | 10 | 66.0 | + 2.1 | + 9.3 | + 1.6 |
| Northern Plateau* | 10 | 63.2 | − 0.4 | + 9.9 | + 1.6 |
| North Pacific | 7 | 55.8 | − 1.7 | + 1.1 | + 0.2 |
| Middle Pacific | 5 | 61.7 | − 2.5 | + 0.3 | 0.0 |
| South Pacific | 4 | 64.7 | − 1.4 | + 7.1 | + 1.2 |

*Regular Weather Bureau and selected cooperative stations.

*Average cloudiness and departures from the normal.*

| Districts. | Average. | Departure from the normal. | Districts. | Average. | Departure from the normal. |
|---|---|---|---|---|---|
| New England | 6.2 | + 1.0 | Missouri Valley | 4.0 | − 0.9 |
| Middle Atlantic | 5.7 | + 0.7 | Northern slope | 4.2 | − 0.6 |
| South Atlantic | 5.7 | + 0.7 | Middle slope | 4.2 | + 0.2 |
| Florida Peninsula | 5.3 | + 0.1 | Southern slope | 3.2 | − 0.6 |
| East Gulf | 5.5 | + 0.8 | Southern Plateau | 1.6 | − 0.4 |
| West Gulf | 3.6 | − 0.7 | Middle Plateau | 2.4 | − 0.9 |
| Ohio Valley and Tennessee | 5.3 | + 0.3 | Northern Plateau | 3.7 | − 0.9 |
| Lower Lakes | 4.8 | − 0.1 | North Pacific | 5.8 | − 0.3 |
| Upper Lakes | 4.1 | − 1.0 | Middle Pacific | 2.8 | − 0.5 |
| North Dakota | 3.7 | − 1.7 | South Pacific | 2.9 | − 0.4 |
| Upper Mississippi Valley | 3.7 | − 1.3 | | | |

*Average precipitation and departures from the normal.*

| Districts. | Number of stations. | Average. | | Departure. | |
|---|---|---|---|---|---|
| | | Current month. | Percentage of normal. | Current month. | Accumulated since Jan. 1. |
| | | Inches. | | Inches. | Inches. |
| New England | 11 | 3.79 | 123 | + 0.7 | − 0.7 |
| Middle Atlantic | 15 | 4.96 | 132 | + 1.2 | − 0.3 |
| South Atlantic | 11 | 6.15 | 127 | + 1.3 | − 5.5 |
| Florida Peninsula* | 8 | 7.98 | 116 | + 1.1 | − 4.9 |
| East Gulf | 11 | 7.02 | 155 | + 2.5 | − 4.8 |
| West Gulf | 10 | 3.11 | 84 | − 0.6 | − 3.8 |
| Ohio Valley and Tennessee | 13 | 4.19 | 100 | 0.0 | − 0.6 |
| Lower Lakes | 10 | 1.65 | 46 | − 1.9 | − 0.8 |
| Upper Lakes | 12 | 0.85 | 27 | − 2.5 | − 4.4 |
| North Dakota* | 9 | 1.70 | 47 | − 1.9 | − 4.1 |
| Upper Mississippi Valley | 15 | 1.94 | 45 | − 2.4 | − 5.4 |
| Missouri Valley | 12 | 2.75 | 63 | − 1.6 | − 4.7 |
| Northern slope | 9 | 1.32 | 57 | − 1.0 | − 2.2 |
| Middle slope | 6 | 1.38 | 43 | − 1.8 | − 4.4 |
| Southern slope* | 7 | 0.69 | 22 | − 2.5 | − 6.7 |
| Southern Plateau* | 10 | 0.37 | 100 | 0.0 | − 1.7 |
| Middle Plateau* | 11 | 0.19 | 34 | − 0.4 | − 4.2 |
| Northern Plateau* | 10 | 0.59 | 46 | − 0.7 | − 2.0 |
| North Pacific | 7 | 1.39 | 62 | − 0.7 | − 1.7 |
| Middle Pacific | 7 | 0.10 | 33 | − 0.2 | − 5.8 |
| South Pacific | 4 | T. | 0 | − 0.1 | − 4.9 |

*Regular Weather Bureau and selected cooperative stations.

*Average relative humidity and departures from the normal.*

| Districts. | Average. | Departure from the normal. | Districts. | Average. | Departure from the normal. |
|---|---|---|---|---|---|
| New England | 77 | − 2 | Missouri Valley | 62 | − 5 |
| Middle Atlantic | 76 | + 3 | Northern slope | 53 | − 4 |
| South Atlantic | 78 | 0 | Middle slope | 56 | − 4 |
| Florida Peninsula | 81 | + 1 | Southern slope | 51 | − 9 |
| East Gulf | 77 | + 2 | Southern Plateau | 34 | + 4 |
| West Gulf | 74 | − 2 | Middle Plateau | 29 | − 8 |
| Ohio Valley and Tennessee | 72 | + 2 | Northern Plateau | 40 | −11 |
| Lower Lakes | 71 | 0 | North Pacific | 73 | − 4 |
| Upper Lakes | 66 | − 7 | Middle Pacific | 64 | + 2 |
| North Dakota | 59 | − 9 | South Pacific | 66 | 0 |
| Upper Mississippi Valley | 63 | − 7 | | | |

*Maximum wind velocities.*

| Stations. | Date. | Velocity. | Direction. | Stations. | Date. | Velocity. | Direction. |
|---|---|---|---|---|---|---|---|
| Augusta, Ga | 2 | 62 | w. | North Head, Wash | 20 | 62 | se. |
| Cheyenne, Wyo | 16 | 50 | sw. | Pittsburg, Pa | 6 | 50 | w. |
| Corpus Christi, Tex | 5 | 52 | nw. | Point Reyes Light, Cal. | 1 | 58 | nw. |
| Kansas City, Mo | 8 | 64 | nw. | Do | 2 | 58 | nw. |
| Lewston, Idaho | 1 | 54 | w. | Do | 11 | 58 | nw. |
| Little Rock, Ark | 9 | 56 | nw. | Do | 12 | 64 | nw. |
| Mount Tamalpais, Cal | 2 | 54 | nw. | Do | 13 | 68 | nw. |
| Do | 13 | 92 | nw. | Do | 14 | 55 | nw. |
| Do | 14 | 72 | nw. | Do | 15 | 51 | nw. |
| Do | 19 | 62 | nw. | Do | 20 | 53 | nw. |
| Do | 20 | 76 | nw. | Do | 21 | 69 | nw. |
| Do | 21 | 68 | nw. | Do | 22 | 64 | nw. |
| Do | 22 | 72 | nw. | Do | 23 | 64 | nw. |
| Do | 27 | 72 | nw. | Do | 26 | 54 | nw. |
| Do | 28 | 70 | nw. | Do | 27 | 76 | nw. |
| Do | 29 | 63 | nw. | Do | 28 | 63 | nw. |
| Mount Weather, Va | 18 | 50 | w. | Do | 29 | 52 | nw. |
| Nantucket, Mass | 10 | 55 | ne. | Sheridan, Wyo | 8 | 50 | nw. |
| Nashville, Tenn | 24 | 60 | e. | Southeast Farallon, Cal. | 11 | 50 | nw. |
| New York, N. Y | 18 | 58 | nw. | Do | 13 | 54 | nw. |
| North Head, Wash | 19 | 60 | se. | Do | 27 | 52 | nw. |

In the special forecast for the week beginning June 27 it was stated that generally fair weather was indicated for the greater part of the country during the week, and that such rains as might occur would be confined mostly to the central valleys, the Southern States, and the Lake region. It was forecast that the week would give temperatures above the normal in all regions east of the Rocky Mountains, and temperatures slightly below the normal on the Pacific coast and in the Rocky Mountain and Plateau regions. The conditions recorded agreed closely with those forecast.

## RIVERS AND FLOODS.

By Prof. H. C. FRANKENFIELD, in charge River and Flood Division.

The floods that occurred during the month were confined to the smaller rivers of the country. They were of the usual short duration and were due to excessive precipitation over their immediate watersheds. The most important were those that occurred in Maryland, Virginia, and the Carolinas about the middle of the month.

Heavy rains over the headwaters of the Shenandoah and Potomac rivers from June 10 to 19, inclusive, forced these rivers above flood stages, and considerable damage was done, especially in the vicinity of Cumberland, Md., and along the south branch of the Potomac River, where the railroads suffered heavy losses from washouts of tracks and bridges, and from temporary suspension of business.

A rise of 19.2 feet in 24 hours in the Shenandoah River at Riverton, Va., brought the stage to 24.8 feet, or 2.8 feet above the flood stage, at that place on the morning of June 17. The river fell almost as rapidly, however, and by the morning of June 19 the stage was 6.0 feet. Considerable damage to growing crops resulted.

At Cumberland, Md., on the Potomac River, the crest stage of 9.6 feet, 1.6 foot above flood stage, occurred at 2 p. m., June 19, and the river was out of its banks and playing havoc with railroads and crops for miles above and below that place. At Harpers Ferry, W. Va., the river reached 19.8 feet, 1.8 foot above flood stage, on June 17. The crest stage of 7.4 feet at Washington, D. C., on June 18, caused considerable damage to small craft along the river front, many small boats being torn from their moorings and sunk.

The heavy rains also extended over the western slopes of the Appalachians, causing floods in the Monongahela River and its tributaries, and decided rises in the Licking and Kentucky rivers, with flood stages in the former. Damage to the amount of about $100,000 was done in the vicinity of Elkins, W. Va., about equally divided between the railroads and the farmers, and as much more along the Monongahela River.

A general rainy period which set in over the watershed of the James River of Virginia, on June 12, caused that stream to overflow its banks from June 14 to 18, inclusive, and considerable damage to crops resulted therefrom. At Buchanan, Va., the crest stage of 15.6 feet was reached on June 14; at Columbia, Va., a stage of 26.0 feet, 8 feet above flood stage, occurred at 9 p. m., June 16, and at Richmond, Va., the highest point reached was 14.1 feet, 4.1 feet above the flood stage, on June 18. Warnings were issued in ample time for precautions to be taken and portable property and live stock were removed to places of safety. It is estimated that about $35,000 was saved in this manner.

Weather conditions very similar to those over Virginia prevailed over the Carolinas from about June 5 to 17, inclusive, and continuous showers, interspersed with heavy downpours, gradually raised the Cape Fear, the Tar, and the lower Roanoke rivers to heights above the flood stage. Timely warnings issued by the Weather Bureau permitted the removal of stock, etc., likely to be endangered, and it is estimated that about $50,000 worth of property was saved through the proper observance of these advices. Damage to crops to the extent of about $200,000 was caused by the floods, chiefly in the Tar River lowlands.

Similar conditions prevailed in the Pedee, Wateree, and Santee rivers of South Carolina. At Cheraw, S. C., on the Pedee River, the crest stage was 31.8 feet, 4.8 feet above the flood stage, on June 16, and at Smiths Mills, S. C., 14.2 feet, 1.8 foot below the flood stage, on June 24. There was no damage of consequence, and the flood was really very beneficial to lumber interests, as it enabled them to float to market large quantities of logs that had been lying dry since the summer of 1909.

The Wateree River rose to 27.4 feet at Camden, S. C., 3.4 feet above the flood stage, on June 15, and crops along the river to the value of about $14,000 were destroyed. Losses from other sources were minimized by warnings issued by the Weather Bureau, and it is estimated that property to the value of $26,000 was saved through their proper observance.

The Santee River was also above flood stage without damage of consequence.

At Blue Rapids, Kans., the Blue River rose 14.7 feet in 24 hours, reaching a stage of 21.5 feet, or 7.5 feet above the flood stage, on June 9. This rise was caused by excessive local rains on June 7 and 8, and was not so pronounced over other portions of the river, although for a short time conditions were somewhat alarming in the vicinity of Marysville, Kans.

Along the Osage River the heavy rains were more general and flood stages were slightly exceeded.

The Arkansas River was low for the season, and at Wichita, Kans., the stage of 3.3 feet below zero on June 30, was the lowest stage of record.

Owing to the dry season in that section, the Mississippi River above the mouth of the Missouri was low throughout the month, but below Alton, Ill., the stages were more in keeping with the time of year. Good stages also prevailed in the Ohio River, and in the Missouri River east of the State of Montana.

Heavy showers occurred during the early evening of June 17, in the lower Paradise Valley, 18 miles northeast of Phoenix, Ariz. The area affected was probably not over 25 square miles in extent, but the amount of rainfall was estimated at between 2.50 and 3.50 inches, of which at least 1.50 inch fell between 4:30 and 6:00 p. m. The Arizona Canal at Indian Head, on the Pima Indian Reservation, was washed out in 21 places, and there was a rise of 2.3 feet in the Salt River at Tempe, Ariz., during the early morning of June 28. There was no loss of life, but a number of horses and cattle were lost. Notice of the rise was sent out to all interested.

The rivers of the Pacific were low as had been previously forecast, and at some places along the Sacramento River the stages were the lowest of record for the season of the year.

Hydrographs for typical points on several principal rivers as shown on Chart I. The stations elected for charting are Keokuk, St. Louis, Memphis, Vicksburg, and New Orleans, on the Mississippi; Cincinnati and Cairo, on the Ohio; Nashville, on the Cumberland; Johnsonville, on the Tennessee; Kansas City, on the Missouri; Little Rock, on the Arkansas; and Shreveport, on the Red.

# SPECIAL PAPERS ON GENERAL METEOROLOGY.

## RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Librarian.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers or other communications bearing on meteorology or cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled; it shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau. Unsigned articles are indicated by a ——.

*American philosophical society. Proceedings. Philadelphia. v. 49. July, 1910.*

**Davis, William M.** Antarctic geology and polar climates. p. 200-202.

*Electrical world. New York. v. 56. July 21, 1910.*

—— Magnetic storms. p. 135-136.

*Engineering news. New York. v. 64. July 7, 1910.*

—— The movement of the peak of the Eiffel tower under wind pressure. p. 16.

*Geographical society of Philadelphia. v. 8. July, 1910.*

**Wilson, Lucy, L. W.** Climate and man in Peru. p. 1–9.

*London, Edinburgh and Dublin philosophical magazine. London. 6th series.*

**Satterly, John.** On the amount of radium emanation in the lower regions of the atmosphere and its variation with the weather. p. 1–36.

*Nature. London. v. 83. 1910.*

**Gold, E.** The temperature conditions in clouds. p. 488. (June 23.)

—— Kew and Eskdale Muir observatories and the Meteorological office. p. 509. (June 23.) [Notice of the transfer of the Kew and Eskdale Muir observatories to the Meteorological office.]

**Gold, E.** Temperatures in the free atmosphere. p. 42–44. (July 14.) [Review of memoir by A. Wagner.]

**Bassett, H.** The Gulf stream drift and the weather of the British Isles. p. 44. (July 14.)

—— Models of meteorological conditions in the free air. p. 59–60. (July 14.) [Illustrated.]

**Wood, R. W.** Experimental study of fulgurites. p. 70. (July 21.)

*Photographic times. New York. v. 42. July, 1910.*

**McCarthy, D. J.** Lightning photography. p. 253–257. [Illustrated.]

*Popular science monthly. New York. v. 77. July, 1910.*

**Stanton, T. W.** The paleontologic record. Paleontologic evidences of climate. p. 67–70.

*Royal society of Edinburgh. Proceedings. Edinburgh. v. 30, pt. 5. 1909–1910.*

**Morrison, J. T.** Proposals for an anemometer and a portable barometer. p. 386–395. [Illustrated.]

*Royal society. Proceedings. London. ser. A. v. 84. 1910.*

**Lattey, Robert Tabor.** The effect of small traces of water vapor on the velocities of ions produced by Röntgen rays in air. p. 173–181.

*Science. New York. v. 32. July 15, 1910.*

**Birge, E. A.** The apparent sinking of ice in lakes. p. 81–82.

*Scientific American. New York. v. 102. May 28, 1910.*

**Carr, W. K.** An experiment in sound. p. 446. [Effects of thermal disturbances of the air on audibility. Conditions under which the trains on the Potomac railway bridge can be heard in Washington, etc.]

*Scientific American. New York. v. 103. 1910.*

—— Radium collector for electricity. p. 44, 57. (July 16.) [Illustrated.]

**Wood, R. W.** Autograph of a thunderbolt. p. 64. (July 23.) [Includes photograph of a cast made by pouring solder into the hole made by bolt of lightning.]

—— A profile of the atmosphere. p. 82. (July 30.) [Illustrated.]

*Scientific American supplement. New York. v. 70. July 2, 1910.*

—— The east African expedition of the Royal Prussian meteorological observatory. p. 4.

*Symon's meteorological magazine. London. v. 45. July, 1910.*

**Mill, Hugh Robert.** Three green rays in one sunset. p. 102–103. [Illustrated.]

**S., C.** Professor Bjerknes on the synoptical representation of atmospheric motions. p. 110-112.

*Annales de géographie. Paris. 19 année. 15 juillet 1910.*

**Uhry, Alfred.** La crue de janvier 1677 à Paris. Contribution à l'histoire du régime de la Seine. p. 343-349.)

**Angot, A.** Bernard Brunhes. p. 373.

*Ciel et terre. Bruxelles. 31 année. Juillet 1910.*

**V., D. V.** Mesure de la pression du vent. p. 272–276.

**Besson, Louis.** Fréquence comparée des vents de mer et de terre le long des côtes francaises. Supplement p. 61-62. [With charts showing relative frequency of landward and seaward winds at French coast stations during the months June, July, August and September.]

*Commission internationale pour l'aérostation scientifique. 6me réunion. Monaco. 1909. Procès-verbaux.*

**Assmann, R[ichard A.]** Quelques nouveaux résultats d'expériences avec des ballons en caoutchouc. p. 53-58.

**Assmann, R[ichard A.]** Des appareillages pour écarter l'influence de la radiation solaire sur le thermomètre dans la zone isotherme supérieure. p. 58–62.

**Konkoly, N. Thege V.** Uber eine neue Thermometeraufstellung. p. 62-64.

**Hergesell, H[ugo].** Sur un météorographe à aspiration artificielle pour ballon monté. p. 64–67.

**Köppen, W[ladimir].** Vorschlag alle Luftdruckmessungen in allgemeinen Kraftmass anzugeben. p. 68–72.

**Bjerknes, V[ilhelm Friman].** De l'application théorique des observations aérologiques. p. 73–84.

**Massany, E. de.** Les aspirations actuelles aérologiques de la Hongrie. p. 84–85.

**Hergesell, H[ugo].** Die Bedeutung der Pilotballonaufstiege für die praktische Aerologie. p. 86–103.

**Rykachev, M.** Les résultats de quelques observations faites en Russie ou par des observateurs Russes au moyen de ballons-sondes ou de cerfs-volants durant les années 1907 et 1908. p. 103–113.

**Kousnetzow, V.** Les ballons-sondes lancés au-dessus du golfe de Finlande en juillet 1908. p. 113–117. [Mainly descriptive of apparatus and methods. Illustrated].

**Berson, A[rthur].** Die Ostafrika-Expedition des Königl. preuss. aeronautischen Observatoriums zu Lindenberg. p. 118–133.

**Palazzo, L[uigi].** Rapport préliminaire sur l'expédition aérologique maritime Italienne à Zanzibar. p. 133–142. [Illustrated].

**Wenger, R[obert].** Rapport sur les lancers de pilotes éxécutés sur l'ile de Ténérie en juillet et aout 1908. p. 142–147.

**Assmann, R[ichard A.]** Sur l'application des observatoires aérologiques à la prévision du temps et à la navigation. p. 147–156.

**Hergesell, H[ugo].** Sur les observations aérologiques continues audessus de régions interessantes de notre globe et les moyens de les réaliser. p. 156–157.

**Vives y Vich, [Pedro].** Sur l'observatoire projeté a Ténérife. p. 157–161.

*France. Académie des sciences. Comptes rendus. Paris. Tome 150.*

**Störmer, Carl.** Photographies des aurores boréales et nouvelle méthode pour mesurer leur altitude. p. 1631–1634.

*Journal de physique. Paris. Tome 9. Juillet 1910.*

**Duclaux, Jacques & Hamelin, A.** Une modification du thermomètre à mercure. p. 600–606.

*Nature. Paris. 38 année. 1910.*

**Nodon, [Albert].** Une mission scientifique au Sahara. L'influence des perturbations solaires sur les phénomènes météorologiques. p. 95-96. (9 juillet).

**Loisel, J.** La photographie météorologique. p. 139-143. (30 juillet.) [Illustrated.]

*Annalen der Hydrographie und maritimen Meteorologie. Berlin. 38. Jahrgang. Juli 1910.*

**Grossmann, [L].** Die Stürme an der deutschen Küste vom 12. bis 14. November und vom 2. bis 5. Dezember 1909. p. 335–349.

**Köppen, W.** Die Verschiebungen der Atmosphäre im Jahreslaufe und die Höhe des antarktischen Kontinents. p. 349–353.

*Annalen der Physik. Leipzig. 4. Folge. Band. 32. 1910.*

**Schmauss, A.** Aufnahme von Elektrizität aus der Luft durch fallende Wassertropfen. p. 871–882.

*Beiträge zur Geophysik. Leipzig. 10. Band. 3. Heft. 1910.*

**Arnold, H.** Die Erdbewegung während des ersten Vorläufers eines Erdbebens. p. 269–316.

**Reid, Harry Fielding.** On mass movements in tectonic earthquakes and the depth of the focus. p. 318–351.

**Hobbs, William Herbert.** The earthquake of 1872 in the Owens Valley, California. p. 352–385.

**Conrad, V.** Notiz über eine empirische Formel zur Berechnung der Herddistanz von Nahbeben aus dem Diagramm einer Station. kl. Mitth. p. 145–147.

**Braak, C.** Das Wiechertsche astatische Pendelseismometer und die Deformation des Erdkörpers. kl. Mitth. p. 148–149.

**Conrad, V.** Ein einfaches Instrument für seismische Stationen in habituellen Stossgebieten. kl. Mitth. p. 157–160.

**Szirtes, S.** Uber die Vergrösserung der Seismographen. kl. Mitth. p. 161–175.

*Beiträge zur Physik der freien Atmosphäre. Leipzig. 3. Band. Heft 4. 1910.*

**Hergesell, H.** Oberstleutenant R. W. L. Moedebeck. p. 169–172.

**Wenger, Robert.** Untersuchungen uber die Mechanik und Thermodynamik der freien Atmosphäre im nordatlantischen Passatgebiet. p. 173–205. [Results of observations on Teneriffe, July-August, 1908].

**Wegener, Alfred.** Uber eine eigentümliche Gesetzmässigkeit der oberen Inversion. p. 206–214.
**Fischli, Fritz.** Über die Korrektion der Angaben der Aneroidbarometer besonders bei niedrigen Drucken. p. 214–224.
**Wegener, Alfred.** Über eine neue fundamentale Schichtgrenze der Erdatmosphäre. p. 225–232.
**Tetens, Otto.** Über die potentielle Temperatur. p. 232–245.

*Deutsche Mechaniker-Zeitung. Heft 13. 1. Juli 1910.*
**Disch, J.** Das "Draka" Hygrometer. p. 124–126. [Illustrated].

*Deutsche Zeitschrift für Luftschiffahrt. Berlin. 14. Jahrgang. 13. Juli 1910.*
**Polis, P[eter].** Die Strandung des Luftschiffes "Deutschland" am. 28. Juni 1910 und der Wetterdienst. p. 13–16.

*Geographische Zeitschrift. Leipzig. 16. Jahrgang. Juni 1910.*
**Thorbecke, F.** Das ozeanisch-subtropische Klima und die Gebiete der Etesien und Winterregen. p. 318–327.

*Himmel und Erde. Berlin. Jahrgang 22. Juli 1910.*
**Hennig, Richard.** "Zeichen an Sonne und Mond." p. 433–438. [With mediæval drawings of "signs" in the sky.]

*Meteorologische Zeitschrift. Braunschweig. Band 27. Juni 1910.*
**Johansson, Osc[ar] V.** Zur Kritik der Bewölkungsbeobachtungen, insbesondere in Nordeuropa. p. 241–250. [Calls attention to systematic errors in Hamberg's recent work on the cloudiness and sunshine of Scandinavia, and discusses the general subject of observations of cloudiness.]
**Föyn, N. J.** Abhängigkeit des Barometerstandes von den Terrainverhältnissen. Vertikaler Gradient. p. 250–256.
**Linke, Franz.** Ein metreoologisches Stationsnetz in der Südsee. p. p. 256–261. [With chart of the existing meteorological stations in the South Pacific.]
**Linke, Franz.** Meteorologische Beobachtungen beim Kometendurchgang. p. 262–263.
**Exner, Felix M.** Der Korrelationsfaktor und seine Verwendung in der Meteorologie. p. 263–266.
**Oppenheim, S.** Über die Bestimmung der Periode einer periodischen Erscheinung mit Anwendung auf die Theorie des Erdmagnetismus. p. 266–270.
**Hann, J[ulius].** Zum Klima von Smyrna. p. 270–271.
**Alt, E.** Die Simpsonsche Gewittertheorie. p. 274–277.
**H[ann, J[ulius].** Zum Klima der algerischen Sahara. Meteorologische Beobachtungen zu Ayata. p. 279–280. [With collected data 1889–1907.]
**H[ann], J[ulius].** Klima von Punta Arenas. p. 281–282.

*Meteorological society of Japan. Journal. Tokyo. v. 29. June, 1910.*
**Okada, T.** Contribution to the studies of psychrometer covering. n. p. [Gives further information as to the use of Japanese paper in place of muslin.]

*Petermanns Mitteilungen. 56. Band. Juni 1910.*
**Knoch, Karl.** Der Mistral Südfrankreichs. p. 297–298.
**Voeikov, A[leksandr Ivanovich].** Der Baikalsee. p. 304–305. [Abstract of a publication of the Russian hydrographic office. Discusses climate of the Lake Baikal region.]

*Physikalische Zeitschrift. Leipzig. 11. Jahrgang. 1910.*
**Ludewig, Paul.** Ein registrierendes Vertikalanemometer zur Benutzung im Freiballon. p. 543–545. (15. Juni.)
**Budig, W.** Ein Spritzkollektor mit kurzer praktischer Ladezeit. p. 596–598. (1. Juli.) [Illustrated.]
**Schiller, Ludwig.** Alarmvorrichtung zum Luftdruckvariometer für Ballonfahrten. p. 643–645. (15. Juli.)

*Prometheus. Berlin. Jahrgang 21. 27. Juli 1910.*
—— Kissels Feuchtigkeitsmesser. Beilage p. 170. [Illustrated.]

*Schweizer. Aero-Klub. Bulletin. Bern. 4. Jahrgang. Juni 1910.*
**Gockel, A.** Luftelektrizität und Luftschiffahrt. p. 112–116.

*Weltall. Berlin. 10. Jahrgang. 1. Juni 1910.*
**Carthaus, Emil.** Über seltsame optische Phänomene im Hochgebirge von Java. p. 245–248.

*Wetter. Berlin. 27. Jahrgang. 1910.*
**Meissner, Otto.** Klimatische Windrose für Potsdam (Telegraphenberg: 1902–1908). p. 121–125. (Juni 1910.)
**König, Willi.** Die Wärme um Mitte April 1910. p. 125–131. (Juni 1910.)
**Eckhardt, Wilh. R.** Tropenzone und Wettervorhersage. p. 140–143. (Juni 1910.)
**Wegener, Kurt.** Der Regen in Samoa. p. 145–152. (Juli 1910.)
**Polis, P[eter].** Die Hochwasserkatastrophe im Ahrgebiet vom 13. Juni 1910. p. 153–155.
**Schmauss, A.** Der Wetterdienst in Bayern. p. 163–168. (Juli 1910.)

*Wiener Luftschiffer-Zeitung. Wien. 9. Jahrgang. 1. Juli 1910.*
**Schrötter, Hermann von.** Beobachtungen über das Verhalten der Lichtintensität bei einer am 19. Mai 1910 unternommenen Ballonfahrt. p. 240-246.

*Woche. Berlin. 12. Jahrgang. 16. Juli 1910.*
**Müller, G[ustav].** Deutsche Astronomen auf der Insel Teneriffa. p. 1237–1238. [Illustrated.]

*Zeitschrift für Gewässerkunde. Dresden. 10. Band. Juli-Sept. 1910.*
**Gravelius, H.** Schwankungen des Niederschlags auf der Skandinavischen Halbinsel. p. 72–76.

*Zeitschrift für Gletscherkunde. Berlin. Band 4. Juli 1910.*
**Reichert, Fritz.** Die Penitentesschneefelder im Gebiet zwischen Aconcagua und Tupungato. p. 345–350.
**Jaeger, Fritz.** Allerlei Beobachtungen über Schnee und Zackenfirn (Büsserschnee). p. 351–355.

*Zeitschrift für Instrumentenkunde. Berlin. 30. Jahrgang. Juni 1910.*
**Lutz, C. W.** Neue Form des Ebertschen Aspirationsapparates. p. 201-203.

*Hemel en Dampkring. Den Haag. 8. Jaargang. Juli 1910.*
**S,** Het daglicht. p. 42–43.
—— Weerwachtungen op langen termijn. p. 44–45.

*Nuovo cimento. Pisa. Anno 56. 1910.*
**Pacini, D.** Sui prodotti del radio e del torio nell'atmosfera. p. 345–357. (Maggio.)
**Pacini, D.** Questioni di elettricità atnmosferica. p. 449–466. (Junio). [A review of current investigations in atmospheric electricity.]

*Società geografica italiana. Bolletino. Roma. ser. 4. v. 11. Maggio 1910.*
**Eredia, Filippo.** Sul ciclone sostenuto dalla R. nave "Etna" nella notte dal 13 al 14 ottobre 1909. p. 625–629.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Librarian.

The following have been selected from among the titles of books recently received, as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Most of them can be lent for a limited time to officials and employees who make application for them. Anonymous publications are indicated by a ——.

**Abbe, Cleveland.**
The mechanics of the earth's atmosphere. A collection of translations. 3d collection. Washington. 1910. 627 p. 8°. (Smithsonian miscellaneous collections, v. 51, no. 4.)

**Argentina. Oficina meteorologica Argentina.**
Observations made at Laurie Island, South Orkneys, ... 1904. Buenos Aires. 1909. 215 p. 4°. (...Annals, v. 16.)

**Barus, Carl.**
Condensation of vapor as induced by nuclei and ions. 3d report. Washington. 1908. vi, 139 p. 8°. (Carnegie institution of Washington. No. 96, pt. 1.)
Condensation of vapor as induced by nuclei and ions. 4th report. Washington. 1910. viii, 84 p. 8°. (Carnegie institution of Washington. No. 96, pt. 2.)

**Batavia. Royal magnetical and meteorological observatory.**
Observations. v. 30, 1907. Batavia. 1910. xxxvii, 158 p. f°.

**Botanical club of Canada.**
Report. 1898. Ottawa. 1898. 21 p. 8°.
Report. 1900. Ottawa. 1900. 8 p. 8°.
Report for 1906–07 and 1907–8. Ottawa. 1909. 44 p. 8°.
Report for 1908. Ottawa. 1910. 30 p. 8°.
[The foregoing reports consist chiefly of the results of phenological observations in Canada.]

**Bremen. Meteorologisches Observatorium.**
Deutsches meteorologisches Jahrbuch. Bremen, 1909. Bremen. 1910. xii, 60 p. f°.

**Brunhuber, A., & Messerschmidt, J. B.**
Die Beobachtungen der beiden sächsisch-böhmischen Erdbebenschwärme vom Oktober und November, 1908, im nordöstlichen Bayern und die Registrierungen auf der Münchener Erdbebenstation. Regensburg. 1910. 19 p. 8°. (S. A., Berichte d. naturwiss. Verein zu Regensburg, Bd. 12, Hftn. 1907 und 1908.)

**Davis, Walter G.**
Climate of the Argentine Republic. Buenos Aires. 1910. 111 p. 8°. (Argentina. Department of agriculture.)

**France. Ministère des colonies.**
Documents scientifiques de la mission Tilho (1906–1909). Tome 1. Paris. 1910. 412 p. 4°.

**Ghent. Université.**
Annuaire météorologique de la station de géographie mathématique. Mars 1909—février 1910. Roulers, etc. 1910. 92 p. 12°.

**Herz, Norbert.**
Die Eiszeiten und ihre Ursachen. Leipzig, etc. 1909. iv, 306 p. 4°.

**International commission for scientific aeronautics.**
Sixième réunion...à Monaco...1909. Procès-verbaux des séances et mémoires. Strasbourg. 1910. xiv, 161 p.

**Jahrbuch der Astronomie und Geophysik.**
20. Jahrgang 1909. Leipzig. 1910. viii, 416 p. 8°.

**Jurva, Rist.**
Öfver Åskvädren i Finland, 1904. [Thunderstorms in Finland during

1904.] Helsingfors. 1909. 129 p. 8°. (Bidrag till kännedom af Finlands natur och folk. H. 67, no. 2.)

**Levander, K. M.**
Tierphänologische Beobachtungen in Finland, Jahrgang 1907. Helsingfors. 1909. 90 p. 8°. (Bidrag till kännedom af Finlands natur och folk. H. 67, no. 8.)

**Lottermoser, Eckhard.**
Die Ergebnisse der Temperatur-Beobachtungen in Salvador und Süd-Guatemala. Hamburg. 1909. 52 p. 8°. (Sonderabzug aus Mitteil. geograph. Gesell. Hamburg, Band 24, p. 33–84.)

**MacKay, A. H.**
Phenological observations in Canada [1892–1898]. (Reprinted, Canadian rec. sci., July, 1899, **8:** 71–84.)
Phenological observations made at several stations in Canada during the year 1895. (Reprinted, Trans. Nova Scotian instit. sci., 1895–6, **9:** 195–207.)
Phenological observations, Canada, 1896. (Reprinted, Trans. Nova Scotian instit. sci., 1896–7, **9:** 268–74.)
Phenological observations, Canada, 1897. (Reprinted, Trans. Nova Scotian instit. sci., 1987–8, **9:** 402–9.)
Phenological observations, Canada, 1898. (Reprinted, Trans. Nova Scotian instit. sci., 1898–99, **10:** 91–109.)
Phenological observations in Nova Scotia and Canada, 1904. Halifax. 1906. 14 p. 8°. (Reprinted, Trans. Nova Scotian instit. sci., **11:** 373-86.)

**Messerschmidt, J. B.**
Registrierungen einiger südeuropäischer Erdbeben auf der Münchener Erdbebenstation. München. 1909. 10 p. 8°. (Reprinted, Sitzber. k. Bayer. Akad. Wissensch., Math–physik. Kl., 1909, 16 Abh.)

**Milan. Reale osservatorio astronomico di Brera.**
Osservazioni meteorologiche e geofisiche . . . 1909. Milano. 1910. 44 p. 4°.

**Mississippi River commission.**
Stages of the Mississippi River and of its principal tributaries, for 1909. St. Louis, Mo. 1910. lxv, 85 p. 8°.

**Nagoya (Japan). Aichiken meteorological observatory.**
Meteorological summary [1900–1909]. Nagoya. [1910.] 94 p. 24°.

**Negro, Carlo.**
Questioncelle sulla precipitazione atmosferica.
I. Velocità di caduta delle goccie d'acqua. (Reprint from Rivista fis., matemat. e sci. nat. (Pavia), diciembre, 1909), 7 p. 8°.
II. Dimensioni dei corpuscoli nebulari (1). (Reprint from Rivista fis., matemat., e sci. nat. (Pavia), gennaio, 1910), 12 p. 8°.
III. Sulle dimensione delle goccie. (Reprinted from Rivista fis., matemat., e sci. nat. (Pavia), giugno, 1910), 14 p. 8°.

**Norway. Norske meteorologiske institut.**
Nedboriagttagelser. Aargang 15, 1909. Kristiania. [1910.] xvi, 74 p. f°.

**Nova Scotia. Education office.**
Comments on the phenological observations conducted in the public schools . . . during . . . 1905 . . . Halifax. 1906. 16 p. 8°.

**Odessa. Observatoire météorologique et magnétique de l'université imperiale.**
Annuaire. 1908. Odessa. 1910. 99 p. 4°.

**O'Gara, P. J.**
Protection of the orchards in the Pacific northwest from spring frosts by means of fires and smudges. Washington. 1910. 23 p. 8°. (U. S. Dept. agric. Farmers' bull. no. 401.)

**Prague. K. k. Sternwarte.**
Magnetische und meteorologische Beobachtungen. 1909. Prag. 1910. iv, 48 p. f°.

**Prussia. K. preuss. meteorologisches Institut.**
Ergebnisse der Beobachtungen an den Stationen II. und III. Ordnung im Jahre 1905. Berlin. 1910. xvi, 75–176 p. f°. (Veröffentlichungen . . . No. 220.)
Ergebnisse der magnetischen Beobachtungen in Potsdam im Jahre 1907. Berlin. 1910. 72 p. f°. (Veröffentlichungen . . . No. 219.)

**Reid, Harry Fielding.**
The California earthquake of April 18, 1906. Report . . . vol. 2. The mechanics of the earthquake. Washington. 1910. viii, 190 p. 4°. (Carnegie instit., publication no. 87, v. 2.)

**Rutty, John.**
A chronological history of the weather and seasons and of the prevailing diseases in Dublin . . . London 1770. xlviii, 340 p. 12°.

**Schwedische Südpolar-expedition, 1901–1903.**
Wissenschaftliche Ergebnisse. Band 2, liefr. 1, 2, 3. Stockholm. 1908. 4°.
1. Das Klima als eine Funktion von Temperatur und Windgeschwindigkeit in ihrer Verbindung, von Gösta Bodman. 21 p.
2. Meteorologische Ergebnisse—I. Stundliche Beobachtungen bei Snow Hill, bearbeitet von Gösta Bodman. 363 p.
3. Meteorologische Ergebnisse—II. Tägliche Beobachtungen an Bord der *Antarctic* und auf der Paulet-Insel, bearbeitet von Gösta Bodman. 114 p.

**Wahlquist, Oscar.**
La gran creciente de 1905 del rio Paraná y sus afluentes. Buenos Aires. 1906. 6 p. 4°.

**Westman, J.**
Die Verteilung der Insolation in Schweden. Upsala. 1910. 24 p. 4°.

**Württemberg. K. württ. meteorologische Zentralstation.**
Deutsches meteorologisches Jahrbuch. 1909. Mit 2 Anhängen: 1. Jahresbericht der Erdbebenwarte zu Hohnheim. 2. Jahresbericht der Drachenstation am Bodensee. Stuttgart. 1910. 137 p. f°.

## CONDENSED CLIMATOLOGICAL SUMMARY.

In the following table are given, for the various sections of the Climatological Service of the Weather Bureau, the average temperature and rainfall, the stations reporting the highest and lowest temperatures with dates of occurrence, the stations reporting the greatest and least monthly precipitation, and other data, as indicated by the several headings.

The mean temperatures for each section, the highest and lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperature and precipitation are based only on records from stations that have ten or more years of observations. Of course the number of such records is smaller than the total number of stations.

*Temperature and precipitation by sections, June, 1910.*

| Section. | Temperature—in degrees Fahrenheit. | | | | | | | Precipitation—in inches and hundredths. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Section average. | Departure from the normal. | Monthly extremes. | | | | | Section average. | Departure from the normal. | Greatest monthly. | | Least monthly. | |
| | | | Station. | Highest. | Date. | Station. | Lowest. | Date. | | | Station. | Amount. | Station. | Amount. |
| Alabama | 75.6 | − 2.4 | Pushmataha | 99 | 18 | Valley Head | 43 | 2 | 6.98 | + 2.64 | Flomaton | 10.49 | Evergreen | 3.58 |
| Arizona | 78.5 | − 0.3 | 2 stations | 120 | 10 | Flagstaff | 31 | 16 | 0.46 | + 0.12 | Paradise | 2.35 | 7 stations | 0.00 |
| Arkansas | 74.1 | − 2.5 | Arkadelphia | 99 | 18 | Bergman | 44 | 12 | 4.85 | + 0.43 | Hot Springs | 8.54 | Whitecliffs | 1.01 |
| California | 67.3 | − 1.9 | Needles | 121 | 10 | Tamarack | 24 | 21 | 0.05 | − 0.27 | Monumental | 2.10 | Many stations | 0.00 |
| Colorado | 62.6 | + 2.0 | Hoehne | 110 | 17 | Silverton | 20 | 22 | 0.83 | − 0.51 | Vilas | 5.02 | 3 stations | T. |
| Florida | 78.5 | − 1.1 | 2 stations | 101 | 5 | 3 stations | 55 | 1 | 9.98 | + 3.06 | Live Oak | 22.35 | Key West | 1.06 |
| Georgia | 75.3 | − 2.7 | Blakely | 105 | 3 | Clayton | 39 | 2 | 7.16 | + 2.62 | Quitman | 15.76 | Columbus | 3.09 |
| Hawaii | | | | | | | | | | | | | | |
| Idaho | 61.7 | + 1.3 | Stone | 108 | 1 | 2 stations | 23 | 3† | 0.22 | − 0.88 | Bonners Ferry | 1.37 | 7 stations | 0.00 |
| Illinois | 70.0 | − 1.2 | Sycamore | 101 | 30 | Lanark | 32 | 1 | 2.18 | − 1.68 | Carbondale | 8.58 | Oregon | 0.20 |
| Indiana | 68.6 | − 2.4 | 2 stations | 100 | 20† | 2 stations | 34 | 3† | 1.97 | − 1.96 | Mount Vernon | 4.87 | Rochester | 0.42 |
| Iowa | 69.5 | + 0.7 | Decorah | 105 | 29 | 2 stations | 33 | 5 | 1.99 | − 2.53 | Estherville | 5.51 | Decorah | 0.05 |
| Kansas | 72.2 | − 0.9 | Hugoton | 108 | 20 | Blakeman | 36 | 11 | 1.96 | − 2.61 | Frankfort | 7.15 | Dresden | 0.09 |
| Kentucky | 70.0 | − 4.1 | Earlington | 99 | 20 | Beattyville | 36 | 3 | 5.20 | + 0.96 | Mount Sterling | 9.31 | Cadiz | 2.26 |
| Louisiana | 78.1 | − 1.5 | 2 stations | 100 | 18† | Robeline | 51 | 13 | 7.26 | − 1.99 | Lakeside | 15.03 | Sugartown | 3.99 |
| Maryland and Delaware | 68.4 | − 2.7 | Deer Park, Md | 99 | 20 | Sanatorium, Md | 37 | 5 | 5.80 | + 1.78 | Frostburg, Md | 8.08 | Pocomoke City, Md | 3.85 |
| Michigan | 64.0 | + 0.3 | 3 stations | 101 | 30 | Thomaston | 22 | 1 | 1.22 | − 1.89 | Thornville | 3.49 | Ironwood | 0.10 |
| Minnesota | 67.8 | + 3.6 | Winona | 102 | 30 | Angus | 24 | 2 | 1.39 | − 2.86 | Lynd, No. 2 | 6.10 | Rochester | T. |
| Mississippi | 76.0 | − 2.8 | 2 stations | 97 | 18† | University | 51 | 15 | 6.53 | + 2.15 | Merrill | 11.62 | Corinth | 3.31 |
| Missouri | 70.4 | − 2.6 | Brunswick | 99 | 20 | Louisiana | 38 | 3 | 3.92 | − 0.74 | Koshkonong | 9.01 | Grant City | 0.96 |
| Montana | 61.7 | + 2.7 | Springbrook | 109 | 27 | Garneil | 12 | 3 | 1.71 | − 1.02 | Half Moon Pass | 8.61 | Plains | T. |
| Nebraska | 69.4 | + 0.8 | Culbertson | 108 | 21 | 2 stations | 34 | 1† | 2.65 | − 1.24 | Halsey | 5.64 | Omaha | 0.43 |
| Nevada | 65.4 | + 2.4 | Las Vegas | 112 | 1 | Tecoma | 23 | 2 | 0.06 | − 0.35 | Mount Rose Ranch | 0.30 | 12 stations | 0.00 |
| New England | 62.5 | − 1.8 | Rockport, Mass | 95 | 22 | Grafton, N. H | 25 | 5 | 3.67 | + 0.57 | Nantucket, Mass | 6.06 | Jacksonville, Vt | 0.66 |
| New Jersey | 66.9 | − 2.4 | 3 stations | 95 | 21† | Charlotteburg | 34 | 5 | 5.17 | + 1.41 | Bridgeton | 8.01 | Layton | 2.66 |
| New Mexico | 70.5 | + 1.2 | Carlsbad | 109 | 8 | Elizabethtown | 24 | 11 | 0.92 | − 0.07 | Optimo | 4.66 | 2 stations | 0.01 |
| New York | 62.7 | − 2.0 | Bedford | 96 | 22 | 2 stations | 24 | 4 | 2.83 | − 1.18 | Scarsdale | 6.03 | Angelica | 0.42 |
| North Carolina | 71.1 | − 2.6 | Ramseur | 98 | 24 | Banners Elk | 33 | 2 | 7.39 | + 2.68 | Newbern | 16.33 | Hatteras | 2.95 |
| North Dakota | 67.3 | + 5.3 | Coal Harbor | 111 | 20 | McHenry | 19 | 2 | 1.83 | − 1.87 | Haley | 5.35 | Grafton | 0.00 |
| Ohio | 65.9 | − 3.2 | 2 stations | 97 | 23† | 2 stations | 33 | 4 | 2.66 | − 1.24 | Lawshe | 6.96 | Toledo (1) | 0.97 |
| Oklahoma | 76.5 | + 0.5 | Erick | 111 | 2 | Cache | 39 | 12 | 1.48 | − 2.81 | Fairland | 4.30 | Hurley | T. |
| Oregon | 59.0 | − 0.4 | Vale | 105 | 26 | Christmas Lake | 19 | 21 | 0.97 | − 0.48 | Musick | 4.55 | 2 stations | 0.00 |
| Pennsylvania | 65.4 | − 2.5 | 3 stations | 95 | 23 | Wellsboro | 32 | 4 | 4.31 | + 0.10 | Somerset | 8.68 | Greenville | 1.33 |
| Porto Rico | 78.2 | − 0.3 | 2 stations | 94 | 2† | Jayuya | 51 | 15 | 5.06 | − 2.37 | Coloso | 21.50 | Guanica Centrale | 0.00 |
| South Carolina | 75.5 | − 2.4 | 3 stations | 98 | 17† | Dillon | 42 | 2 | 7.78 | + 2.52 | Georgetown | 12.31 | Charleston | 3.95 |
| South Dakota | 68.3 | + 2.3 | Belle Fourche | 109 | 20 | 3 stations | 28 | 1† | 2.27 | − 1.46 | Gannvalley | 5.82 | Elk Mountain | 0.46 |
| Tennessee | 71.2 | − 3.6 | 2 stations | 97 | 20† | Erasmus | 36 | 2 | 5.19 | + 0.91 | Halls Hill | 10.23 | Jefferson City | 2.21 |
| Texas | 80.6 | + 0.4 | Eagle Pass | 115 | 9 | Plemons | 42 | 11 | 1.90 | − 1.37 | Grand Saline | 7.63 | Bonham | 0.04 |
| Utah | 67.9 | + 3.0 | Provo | 110 | 11 | Henefer | 27 | 3† | 0.38 | − 0.21 | Baker | 4.00 | 14 stations | 0.00 |
| Virginia | 67.7 | − 3.1 | Lincoln | 102 | 22 | Burks Garden | 29 | 4 | 6.46 | + 1.85 | Dale Enterprise | 11.11 | Lebanon | 3.21 |
| Washington | 59.7 | − 1.5 | Kennewick | 104 | 10 | Bumping Lake | 26 | 2 | 1.03 | − 0.56 | Quinisault | 4.36 | 2 stations | 0.00 |
| West Virginia | 66.6 | − 2.7 | 2 stations | 96 | 22† | Weston | 32 | 4 | 5.33 | + 0.55 | Parsons | 11.27 | Moundsville | 1.52 |
| Wisconsin | 67.0 | + 2.3 | 3 stations | 104 | 29† | Prentice | 24 | 1 | 0.96 | − 3.06 | Prairie du Chien | 3.02 | Vudesare | T. |
| Wyoming | 59.3 | + 3.4 | Gillette | 101 | 19† | Dome Lake | 20 | 3 | 0.68 | − 0.84 | Upton | 2.45 | Border | 0.00 |

*Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut. †Other dates also.

TABLE 1.—*Climatological data for U. S. Weather Bureau stations, June, 1910.*

| Stations. | Elevation of instruments. | | | Pressure, in inches. | | | Temperature of the air, in degrees Fahrenheit. | | | | | | | | | Mean wet thermometer. | Mean temperature of the dew-point. | Mean relative humidity, per cent. | Precipitation, in inches. | | | Wind. | | | | Clear days. | Partly cloudy days. | Cloudy days. | Average cloudiness during daylight, tenths. | Total snowfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Barometer above sea level, feet. | Thermometers above ground. | Anemometer above ground. | Actual, reduced to mean of 24 hours. | Sea level, reduced to mean of 24 hrs. | Departure from normal. | Mean max. + mean min. ÷ 2. | Departure from normal. | Maximum. | Date. | Mean maximum. | Minimum. | Date. | Mean minimum. | Greatest daily range. | | | | Total. | Departure from normal. | Days with .01, or more. | Total movement, miles. | Prevailing direction. | Maximum velocity. Miles per hour. | Maximum velocity. Direction. | Maximum velocity. Date. | | | | | |
| *New England.* | | | | | | | 82.4 | − 1.2 | | | | | | | | | | 77 | 3.79 | + 0.7 | | | | | | | | | 5.2 | |
| Eastport | 76 | 67 | 85 | 29.80 | 29.88 | − .05 | 55.6 | + 1.2 | 80 | 14 | 63 | 41 | 5 | 48 | 29 | 52 | 49 | 82 | 2.72 | − 0.5 | 16 | 6,663 | s. | 36 | e. | 6 | 3 | 17 | 10 | 6.7 | |
| Greenville | 1,070 | 6 | .... | 28.75 | 29.91 | .... | 57.7 | .... | 80 | 22 | 66 | 33 | 5 | 49 | 32 | .... | .... | .... | 5.31 | .... | 16 | .... | .... | .... | .... | .... | .... | .... | .... | .... | |
| Portland, Me. | 103 | 81 | 117 | 29.79 | 29.91 | − .04 | 61.2 | − 1.4 | 89 | 22 | 69 | 41 | 4 | 53 | 27 | 56 | 52 | 74 | 3.26 | − 0.1 | 15 | 6,367 | w. | 30 | e. | 6 | 5 | 14 | 11 | 6.0 | |
| Concord | 288 | 70 | 79 | 29.60 | 29.90 | − .06 | 62.2 | − 2.2 | 89 | 22 | 73 | 33 | 5 | 51 | 34 | .... | .... | .... | 3.47 | + 0.1 | 12 | 3,596 | nw. | 20 | w. | 23 | 6 | 13 | 11 | 6.2 | |
| Burlington | 404 | 11 | 48 | 29.48 | 29.90 | − .06 | 61.8 | − 2.0 | 85 | 22 | 71 | 34 | 5 | 53 | 30 | .... | .... | .... | 3.10 | − 0.2 | 12 | 4,720 | s. | 27 | s. | 27 | 2 | 17 | 11 | 6.4 | |
| Northfield | 876 | 16 | 70 | 28.99 | 29.93 | − .03 | 59.0 | − 3.7 | 85 | 22 | 69 | 28 | 5 | 49 | 35 | 56 | 54 | 79 | 3.18 | − 0.0 | 15 | 4,317 | s. | 24 | n. | 23 | 3 | 14 | 13 | 6.8 | |
| Boston | 125 | 115 | 188 | 29.78 | 29.91 | − .05 | 65.2 | − 0.6 | 92 | 21 | 73 | 46 | 4 | 58 | 24 | 58 | 54 | 72 | 4.89 | + 1.9 | 12 | 6,650 | w. | 33 | ne. | 10 | 7 | 11 | 12 | 6.7 | |
| Nantucket | 12 | 14 | 90 | 29.90 | 29.91 | − .07 | 61.3 | 0.0 | 82 | 22 | 68 | 46 | 5 | 55 | 21 | 57 | 56 | 86 | 6.06 | + 3.6 | 13 | 10,546 | sw. | 55 | ne. | 10 | 8 | 13 | 9 | 6.0 | |
| Block Island | 26 | 11 | 46 | 29.89 | 29.92 | − .05 | 62.0 | + 0.4 | 79 | 23 | 67 | 48 | 5 | 57 | 17 | 58 | 56 | 84 | 2.82 | 0.0 | 11 | 10,213 | sw. | 46 | ne. | 10 | 9 | 12 | 9 | 5.6 | |
| Narragansett | .... | 9 | .... | .... | .... | .... | 63.0 | − 1.2 | 88 | 23 | 71 | 42 | 5 | 55 | 31 | .... | .... | .... | 3.64 | .... | 10 | .... | sw. | .... | .... | .... | 19 | 6 | 5 | .... | |
| Providence | 160 | 141 | 165 | 29.75 | 29.92 | − .05 | 65.2 | − 3.1 | 91 | 21 | 74 | 44 | 5 | 56 | 26 | 58 | 54 | 71 | 3.98 | + 0.8 | 13 | 6,615 | nw. | 33 | se. | 6 | 6 | 16 | 8 | 6.0 | |
| Hartford | 159 | 122 | 140 | 29.75 | 29.92 | − .05 | 65.9 | − 1.2 | 90 | 21 | 75 | 42 | 5 | 57 | 26 | 59 | 55 | 72 | 4.16 | + 1.1 | 15 | 5,230 | s. | 25 | sw. | 27 | 4 | 11 | 15 | 6.5 | |
| New Haven | 106 | 116 | 155 | 29.80 | 29.91 | − .06 | 66.4 | − 0.5 | 90 | 23 | 75 | 43 | 5 | 58 | 26 | 59 | 55 | 70 | 4.03 | + 0.9 | 11 | 5,773 | s. | 27 | n. | 10 | 9 | 14 | 7 | 5.6 | |
| *Mid. Atlantic States.* | | | | | | | 67.5 | − 2.0 | | | | | | | | | | 73 | 4.96 | + 1.2 | | | | | | | | | 5.7 | |
| Albany | 97 | 102 | 115 | 29.81 | 29.91 | − .06 | 66.0 | − 1.9 | 91 | 22 | 75 | 42 | 5 | 57 | 28 | 59 | 55 | 69 | 2.40 | − 1.4 | 13 | 4,545 | s. | 26 | s. | 9 | 13 | 10 | 7 | 5.1 | |
| Binghamton | 871 | 78 | 88 | 29.02 | 29.93 | − .04 | 63.1 | − 3.1 | 87 | 22 | 73 | 36 | 4 | 53 | 30 | .... | .... | .... | 2.27 | − 1.3 | 12 | 3,359 | w. | 24 | ne. | 5 | 10 | 9 | 11 | 5.5 | |
| New York | 314 | 108 | 350 | 29.59 | 29.92 | − .06 | 68.0 | − 0.5 | 91 | 23 | 75 | 48 | 1 | 60 | 23 | 60 | 56 | 69 | 5.10 | + 1.8 | 13 | 7,384 | w. | 58 | nw. | 18 | 8 | 9 | 13 | 6.3 | |
| Harrisburg | 374 | 94 | 104 | 29.35 | 29.94 | − .05 | 67.8 | − 2.5 | 93 | 23 | 77 | 45 | 1 | 59 | 26 | 61 | 57 | 73 | 4.91 | + 1.4 | 11 | 4,116 | w. | 26 | w. | 18 | 10 | 8 | 12 | 5.5 | |
| Philadelphia | 117 | 116 | 184 | 29.82 | 29.94 | − .04 | 69.6 | − 1.6 | 95 | 23 | 77 | 48 | 1 | 62 | 22 | 63 | 59 | 74 | 5.40 | + 2.1 | 14 | 6,418 | nw. | 28 | n. | 3 | 6 | 10 | 14 | 6.6 | |
| Scranton | 805 | 111 | 119 | 29.10 | 29.95 | − .03 | 65.2 | − 2.0 | 90 | 22 | 75 | 40 | 4 | 56 | 29 | 60 | 56 | 74 | 3.05 | − 0.5 | 13 | 4,383 | ne. | 30 | nw. | 17 | 7 | 12 | 11 | 6.2 | |
| Atlantic City | 32 | 37 | 48 | 29.89 | 29.95 | − .03 | 66.0 | − 0.8 | 87 | 23 | 72 | 49 | 8 | 60 | 25 | 61 | 58 | 81 | 5.81 | + 2.8 | 15 | 5,336 | sw. | 28 | s. | 5 | 7 | 11 | 12 | 6.3 | |
| Cape May | 17 | 9 | 56 | 29.94 | 29.96 | − .02 | 65.8 | − 1.9 | 86 | 29 | 72 | 50 | 4 | 60 | 20 | 62 | 60 | 86 | 5.03 | + 2.0 | 17 | 5,284 | s. | 31 | e. | 9 | 11 | 11 | 8 | 5.5 | |
| Baltimore | 123 | 100 | 113 | 29.81 | 29.94 | − .05 | 70.4 | − 2.6 | 95 | 23 | 78 | 48 | 1 | 63 | 24 | 63 | 59 | 70 | 5.30 | + 1.5 | 14 | 4,732 | sw. | 29 | nw. | 3 | 11 | 9 | 10 | 5.2 | |
| Washington | 112 | 62 | 85 | 29.82 | 29.94 | − .06 | 69.7 | − 3.0 | 94 | 21 | 79 | 45 | 3 | 61 | 26 | 63 | 60 | 73 | 4.77 | + 0.6 | 16 | 4,139 | s. | 27 | nw. | 3 | 14 | 6 | 10 | 5.0 | |
| Cape Henry | 18 | 9 | 58 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | |
| Lynchburg | 681 | 83 | 88 | 29.23 | 29.96 | − .05 | 69.6 | − 3.9 | 92 | 30 | 78 | 48 | 4 | 61 | 27 | 64 | 61 | 77 | 6.59 | + 2.7 | 13 | 2,692 | nw. | 24 | ne. | 19 | 3 | 19 | 8 | 5.7 | |
| Mount Weather | 1,725 | 10 | 54 | 28.15 | 29.93 | − .07 | 64.0 | − 3.6 | 86 | 23 | 71 | 40 | 1 | 57 | 22 | 59 | 56 | 80 | 5.90 | + 1.1 | 16 | 9,586 | nw. | 50 | w. | 18 | 12 | 5 | 13 | 5.6 | T. |
| Norfolk | 91 | 102 | 111 | 29.87 | 29.96 | − .04 | 72.0 | − 2.4 | 92 | 30 | 80 | 54 | 1 | 64 | 28 | 65 | 62 | 76 | 7.07 | + 2.7 | 15 | 6,420 | s. | 48 | se. | 21 | 7 | 12 | 11 | 5.6 | |
| Richmond | 144 | 189 | 197 | 29.80 | 29.95 | − .06 | 70.3 | − 4.8 | 92 | 23 | 79 | 48 | 8 | 61 | 27 | .... | .... | .... | 5.67 | + 2.2 | 14 | 4,820 | sw. | 33 | nw. | 3 | 7 | 8 | 15 | 6.7 | |
| Wytheville | 2,293 | 40 | 47 | 27.64 | 29.96 | − .05 | 65.0 | − 3.7 | 87 | 30 | 74 | 38 | 4 | 55 | 40 | 60 | 57 | 82 | 5.06 | + 1.0 | 17 | 3,047 | w. | 21 | w. | 1 | 12 | 10 | 8 | 5.3 | |
| *S. Atlantic States.* | | | | | | | 74.6 | − 1.6 | | | | | | | | | | 78 | 6.15 | + 1.3 | | | | | | | | | 5.7 | |
| Asheville | 2,255 | 53 | 75 | 27.68 | 29.98 | − .03 | 67.0 | − 1.7 | 86 | 20 | 76 | 44 | 2 | 57 | 30 | 61 | 59 | 82 | 5.44 | + 1.1 | 15 | 4,203 | se. | 27 | nw. | 3 | 5 | 16 | 9 | 6.0 | |
| Charlotte | 773 | 68 | 76 | 29.16 | 29.99 | − .02 | 72.2 | − 3.3 | 90 | 24 | 81 | 54 | 2 | 63 | 26 | 65 | 61 | 74 | 8.14 | + 3.7 | 16 | 4,168 | sw. | 28 | w. | 2 | 5 | 9 | 16 | 6.6 | |
| Hatteras | 11 | 12 | 47 | 29.97 | 29.98 | − .03 | 74.3 | − 0.1 | 88 | 19 | 79 | 61 | 4 | 69 | 16 | 70 | 67 | 83 | 2.95 | − 1.4 | 11 | 10,421 | sw. | 43 | nw. | 3 | 15 | 9 | 6 | 4.3 | |
| Manteo | 12 | 12 | 46 | .... | .... | .... | 77.2 | .... | 90 | 24 | 80 | 51 | 8 | 64 | .... | .... | .... | .... | 5.08 | + 0.7 | 8 | .... | sw. | .... | .... | .... | 14 | 8 | 8 | .... | |
| Raleigh | 376 | 103 | 110 | 29.57 | 29.96 | − .05 | 73.0 | − 2.1 | 92 | 29 | 82 | 49 | 1 | 64 | 28 | 65 | 61 | 72 | 7.87 | + 3.2 | 13 | 5,227 | sw. | 34 | sw. | 20 | 6 | 16 | 8 | 5.6 | |
| Wilmington | 78 | 81 | 91 | 29.91 | 29.99 | − .02 | 74.7 | − 0.8 | 92 | 19 | 83 | 56 | 4 | 67 | 24 | 69 | 66 | 80 | 7.52 | + 1.9 | 13 | 6,095 | sw. | 27 | s. | 5 | 8 | 11 | 11 | 5.6 | |
| Charleston | 48 | 14 | 92 | 29.93 | 29.98 | − .03 | 77.3 | − 1.2 | 95 | 19 | 84 | 60 | 1 | 71 | 24 | 70 | 68 | 76 | 3.95 | − 1.4 | 13 | 7,635 | s. | 31 | e. | 8 | 9 | 15 | 6 | 5.2 | |
| Columbia, S. C. | 351 | 41 | 57 | 29.60 | 29.97 | − .04 | 75.0 | − 3.2 | 93 | 20 | 84 | 54 | 2 | 66 | 29 | 67 | 63 | 75 | 6.64 | + 2.5 | 17 | 4,447 | s. | 30 | sw. | 10 | 6 | 9 | 15 | 6.5 | |
| Augusta | 180 | 89 | 97 | 29.78 | 29.97 | − .04 | 76.0 | − 2.1 | 93 | 18 | 85 | 56 | 2 | 68 | 28 | 68 | 65 | 77 | 6.02 | + 1.5 | 18 | 4,249 | se. | 62 | w. | 2 | 7 | 11 | 12 | 5.8 | |
| Savannah | 65 | 130 | 194 | 29.92 | 29.99 | − .02 | 77.2 | − 1.0 | 99 | 19 | 85 | 60 | 1 | 69 | 26 | 70 | 67 | 78 | 7.33 | + 1.3 | 17 | 7,736 | s. | 30 | w. | 1 | 10 | 8 | 12 | 5.9 | |
| Jacksonville | 43 | 96 | 129 | 29.95 | 30.00 | − .01 | 78.8 | − 0.2 | 95 | 19 | 86 | 65 | 2 | 71 | 24 | 72 | 70 | 82 | 6.72 | + 1.2 | 15 | 6,080 | sw. | 46 | s. | 11 | 10 | 13 | 7 | 5.3 | |
| *Florida Peninsula.* | | | | | | | 79.8 | − 0.4 | | | | | | | | | | 81 | 5.91 | − 0.6 | | | | | | | | | 5.3 | |
| Jupiter | 28 | 10 | 46 | 29.98 | 30.01 | .00 | 78.2 | − 1.4 | 92 | 3 | 85 | 69 | 24 | 72 | 21 | 74 | 72 | 82 | 7.53 | + 0.6 | 17 | 6,274 | s. | 32 | se. | 13 | 4 | 22 | 4 | 5.6 | |
| Key West | 22 | 16 | 53 | 29.98 | 30.00 | + .01 | 81.9 | − 0.3 | 89 | 21 | 87 | 72 | 22 | 77 | 16 | 75 | 72 | 74 | 1.06 | − 3.2 | 5 | 5,124 | s. | 39 | sw. | 30 | 8 | 22 | 0 | 4.8 | |
| Sand Key | 25 | 41 | 71 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | |
| Tampa | 35 | 79 | 96 | 29.97 | 30.01 | .00 | 79.2 | + 0.5 | 92 | 18 | 87 | 68 | 23 | 71 | 22 | 74 | 72 | 86 | 9.15 | + 0.8 | 13 | 4,870 | w. | 27 | sw. | 12 | 9 | 12 | 9 | 5.5 | |
| *East Gulf States.* | | | | | | | 76.1 | − 2.0 | | | | | | | | | | 77 | 7.02 | + 2.5 | | | | | | | | | 5.5 | |
| Atlanta | 1,174 | 190 | 216 | 28.76 | 29.98 | − .03 | 72.7 | − 2.9 | 89 | 18 | 81 | 55 | 1 | 64 | 24 | 65 | 62 | 74 | 5.20 | + 1.3 | 11 | 6,892 | w. | 40 | nw. | 20 | 10 | 10 | 10 | 5.8 | |
| Macon | 370 | 78 | 87 | 29.58 | 29.97 | − .04 | 76.0 | − 1.1 | 93 | 18 | 85 | 56 | 2 | 67 | 28 | .... | .... | .... | 5.48 | + 1.9 | 12 | 4,058 | sw. | 30 | sw. | 10 | 9 | 10 | 11 | 5.7 | |
| Thomasville | 273 | 8 | 57 | 29.69 | 29.98 | − .02 | 77.1 | − 2.4 | 98 | 4 | 87 | 64 | 15 | 67 | 32 | 70 | 68 | 83 | 12.08 | + 7.4 | 18 | 3,457 | sw. | 25 | s. | 11 | 6 | 14 | 10 | 5.5 | |
| Pensacola | 56 | 140 | 183 | 29.90 | 29.96 | − .03 | 77.3 | − 2.7 | 93 | 19 | 83 | 67 | 1 | 72 | 21 | .... | .... | .... | 6.26 | + 1.4 | 13 | 8,780 | s. | 42 | s. | 30 | 5 | 19 | 6 | 5.5 | |
| Anniston | 741 | 9 | 57 | 29.21 | 29.99 | − .01 | 73.4 | − 1.6 | 91 | 4 | 83 | 50 | 1 | 64 | 33 | .... | .... | .... | 6.72 | + 2.8 | 12 | 3,254 | se. | 35 | sw. | 10 | 5 | 10 | 15 | 6.8 | |
| Birmingham | 700 | 11 | 48 | 29.23 | 29.98 | − .01 | 74.6 | − 3.6 | 90 | 4 | 83 | 54 | 1 | 66 | 28 | 67 | 64 | 75 | 7.14 | + 3.3 | 10 | 3,774 | s. | 28 | sw. | 2 | 4 | 12 | 14 | 6.9 | |
| Mobile | 57 | 98 | 106 | 29.90 | 29.96 | − .03 | 78.3 | − 0.8 | 94 | 18 | 86 | 64 | 10 | 70 | 24 | 71 | 69 | 78 | 6.49 | + 0.5 | 13 | 4,813 | sw. | 35 | nw. | 10 | 12 | 14 | 4 | 4.5 | |
| Montgomery | 223 | 100 | 112 | 29.72 | 29.96 | − .04 | 77.0 | − 2.1 | 94 | 18 | 86 | 59 | 1 | 68 | 26 | 69 | 66 | 76 | 7.81 | + 3.6 | 13 | 3,947 | s. | 24 | sw. | 2 | 7 | 15 | 8 | 5.6 | |
| Meridian | 375 | 84 | 93 | 29.56 | 29.94 | − .04 | 75.0 | − 2.3 | 92 | 18 | 85 | 55 | 1 | 65 | 32 | 69 | 66 | 78 | 6.77 | + 2.2 | 14 | 2,911 | sw. | 30 | sw. | 23 | 7 | 16 | 7 | 5.8 | |
| Vicksburg | 247 | 62 | 74 | 29.68 | 29.96 | − .01 | 76.3 | − 2.2 | 91 | 8 | 86 | 60 | 12 | 67 | 26 | 69 | 66 | 78 | 3.82 | − 0.7 | 12 | 3,725 | s. | 29 | n. | 9 | 13 | 10 | 7 | 4.8 | |
| New Orleans | 51 | 90 | 121 | 29.90 | 29.95 | − .03 | 79.2 | − 0.4 | 92 | 19 | 88 | 65 | 10 | 71 | 23 | 72 | 69 | 77 | 9.46 | + 3.3 | 14 | 5,050 | s. | 40 | w. | 10 | 15 | 12 | 3 | 3.7 | |
| *West Gulf States.* | | | | | | | 77.3 | − 1.1 | | | | | | | | | | 74 | 3.11 | − 0.6 | | | | | | | | | 3.6 | |
| Shreveport | 249 | 77 | 84 | 29.68 | 29.94 | − .02 | 77.6 | − 2.0 | 95 | 19 | 88 | 60 | 12 | 68 | 27 | 70 | 66 | 73 | 4.84 | + 1.3 | 7 | 3,831 | se. | 28 | ne. | 9 | 14 | 12 | 4 | 3.9 | |
| Bentonville | 1,303 | 11 | 44 | 28.60 | 29.94 | .00 | 71.2 | − 2.9 | 91 | 21 | 82 | 51 | 14 | 61 | 29 | .... | .... | .... | 4.21 | − 0.4 | 12 | 3,005 | e. | 18 | se. | 8 | 16 | 11 | 3 | 4.1 | |
| Fort Smith | 457 | 79 | 94 | 29.46 | 29.93 | − .01 | 76.1 | − 0.7 | 97 | 20 | 86 | 54 | 12 | 66 | 33 | 67 | 64 | 71 | 3.04 | − 1.0 | 10 | 4,859 | e. | 27 | e. | 7 | 13 | 14 | 3 | 4.1 | |
| Little Rock | 357 | 139 | 147 | 29.58 | 29.94 | − .02 | 74.6 | − 2.6 | 91 | 20 | 83 | 59 | 12 | 66 | 24 | 68 | 65 | 80 | 7.25 | + 3.2 | 14 | 5,001 | ne. | 56 | nw. | 9 | 8 | 17 | 5 | 4.8 | |
| Brownsville | 57 | 4 | .... | .... | .... | .... | 82.5 | .... | 98 | 30 | 92 | 64 | 13 | 73 | 25 | .... | .... | .... | 0.68 | .... | 3 | .... | s. | .... | .... | .... | .... | .... | .... | .... | |
| Corpus Christi | 20 | 69 | 77 | 29.90 | 29.92 | + .01 | 80.4 | − 0.2 | 93 | 27 | 86 | 68 | 12 | 75 | 19 | 74 | 72 | 78 | 0.94 | − 1.8 | 3 | 11,538 | se. | 52 | nw. | 5 | 20 | 9 | 1 | 2.4 | |
| Fort Worth | 670 | 106 | 114 | 29.21 | 29.90 | − .02 | 80.0 | − 0.1 | 104 | 2 | 91 | 57 | 12 | 69 | 33 | .... | .... | .... | 1.38 | − 1.6 | 7 | 7,703 | s. | 38 | nw. | 10 | 13 | 17 | 0 | 3.4 | |
| Galveston | 54 | 106 | 112 | 29.91 | 29.96 | + .01 | 79.2 | − 1.7 | 88 | 29 | 83 | 67 | 23 | 75 | 16 | 73 | 70 | 77 | 6.70 | + 2.0 | 9 | 7,716 | se. | 39 | nw. | 5 | 17 | 9 | 4 | 3.2 | |
| Palestine | 510 | 73 | 79 | 29.40 | 29.92 | − .02 | 78.0 | − 0.4 | 93 | 19 | 87 | 59 | 15 | 69 | 26 | 69 | 66 | 72 | 1.49 | − 2.5 | 7 | 5,379 | sw. | 24 | sw. | 2 | 14 | 15 | 1 | 3.8 | |
| San Antonio | 701 | 80 | 91 | 29.19 | 29.90 | .00 | 81.3 | − 0.9 | 104 | 9 | 92 | 59 | 12 | 70 | 31 | 70 | 65 | 64 | 0.55 | − 2.6 | 3 | 4,697 | se. | 30 | n. | 10 | 15 | 12 | 3 | 3.4 | |
| Taylor | 583 | 55 | 63 | 29.33 | 29.94 | + .02 | 80.1 | + 0.1 | 99 | 9 | 91 | 59 | 16 | 69 | 32 | .... | .... | .... | 0.68 | − 2.8 | 3 | 6,521 | s. | 46 | nc. | 20 | 21 | 8 | 1 | 2.4 | |
| *Ohio Val. and Tenn.* | | | | | | | 70.1 | − 3.2 | | | | | | | | | | 72 | 4.19 | 0.0 | | | | | | | | | 5.3 | |
| Chattanooga | 762 | 189 | 213 | 29.19 | 29.99 | − .01 | 71.9 | − 3.5 | 89 | 18 | 81 | 50 | 2 | 63 | 27 | 64 | 61 | 74 | 6.65 | + 2.3 | 18 | 4,956 | w. | 42 | sw. | 4 | 7 | 13 | 10 | 5.9 | |
| Knoxville | 996 | 93 | 100 | 28.94 | 29.97 | − .03 | 71.2 | − 2.2 | 90 | 19 | 80 | 51 | 1 | 62 | 26 | 64 | 61 | 78 | 3.13 | − 1.0 | 16 | 3,161 | sw. | 30 | sw. | 10 | 3 | 19 | 8 | 6.3 | |
| Memphis | 399 | 76 | 97 | 29.57 | 29.98 | + .01 | 73.8 | − 3.9 | 90 | 26 | 82 | 59 | 11 | 66 | 21 | 67 | 63 | 73 | 4.13 | − 0.2 | 13 | 4,617 | ne. | 49 | nw. | 9 | 6 | 13 | 11 | 5.8 | |
| Nashville | 546 | 168 | 191 | 29.41 | 29.98 | − .01 | 72.2 | − 4.1 | 90 | 24 | 82 | 51 | 3 | 63 | 29 | 65 | 61 | 72 | 6.61 | + 2.2 | 15 | 5,398 | ne. | 60 | e. | 24 | 13 | 6 | 11 | 4.7 | |
| Lexington | 989 | 75 | 102 | 28.93 | 29.98 | − .02 | 68.8 | − 4.4 | 90 | 24 | 78 | 40 | 3 | 60 | 27 | .... | .... | .... | 5.92 | + 1.9 | 9 | 5,575 | ne. | 37 | nw. | 19 | 9 | 12 | 9 | 5.2 | |
| Louisville | 525 | 111 | 132 | 29.41 | 29.99 | + .01 | 72.4 | − 2.6 | 95 | 19 | 83 | 43 | 3 | 62 | 27 | 63 | 58 | 64 | 4.08 | − 0.2 | 8 | 4,918 | ne. | 35 | nw. | 19 | 13 | 11 | 6 | 4.4 | |
| Evansville | 431 | 72 | 82 | 29.48 | 29.94 | − .03 | 72.9 | − 2.4 | 95 | 24 | 83 | 45 | 3 | 63 | 26 | 65 | 60 | 68 | 3.12 | − 1.0 | 6 | 3,997 | ne. | 26 | ne. | 9 | 6 | 22 | 2 | 4.7 | |
| Indianapolis | 822 | 154 | 164 | 29.12 | 29.99 | + .02 | 69.4 | − 3.0 | 94 | 26 | 80 | 40 | 3 | 59 | 30 | 60 | 54 | 61 | 3.25 | − 1.1 | 10 | 5,055 | ne. | 36 | nw. | 2 | 18 | 6 | 6 | 4.1 | |
| Cincinnati | 628 | 152 | 160 | 29.31 | 29.98 | − .01 | 70.4 | − 3.3 | 95 | 19 | 80 | 43 | 3 | 60 | 27 | 62 | 56 | 63 | 3.01 | − 1.0 | 7 | 4,108 | n. | 26 | w. | 2 | 7 | 16 | 7 | 5.2 | |
| Columbus | 824 | 173 | 222 | 29.10 | 29.96 | − .03 | 68.4 | − 2.6 | 94 | 26 | 78 | 41 | 1 | 58 | 31 | 61 | 56 | 69 | 2.93 | − 0.6 | 10 | 6,604 | n. | 40 | w. | 2 | 9 | 13 | 8 | 5.0 | |
| Pittsburg | 842 | 353 | 410 | 29.06 | 29.96 | − .03 | 67.0 | − 4.1 | 90 | 23 | 76 | 42 | 1 | 58 | 27 | 60 | 56 | 72 | 1.94 | − 2.0 | 13 | 6,749 | nw. | 50 | w. | 6 | 12 | 5 | 13 | 5.1 | |
| Parkersburg | 638 | 77 | 84 | 29.32 | 29.98 | − .02 | 68.8 | − 2.7 | 92 | 23 | 79 | 44 | 1 | 59 | 31 | 63 | 60 | 80 | 1.75 | − 2.9 | 10 | 3,029 | n. | 29 | nw. | 19 | 7 | 14 | 9 | 5.8 | |
| Elkins | 1,940 | 41 | 50 | 27.96 | 29.97 | − .03 | 64.4 | − 2.2 | 89 | 30 | 75 | 38 | 1 | 54 | 35 | 59 | 56 | 81 | 8.05 | + 3.0 | 17 | 2,266 | w. | 22 | n. | 19 | 3 | 13 | 14 | 6.9 | |
| *Lower Lake Region.* | | | | | | | 64.3 | − 2.6 | | | | | | | | | | 71 | 1.65 | − 1.9 | | | | | | | | | 4.3 | |
| Buffalo | 767 | 178 | 206 | 29.12 | 29.94 | − .03 | 62.8 | − 2.3 | 87 | 26 | 70 | 41 | 4 | 56 | 25 | 59 | 56 | 80 | 1.05 | − 2.1 | 8 | 7,972 | sw. | 33 | sw. | 1 | 14 | 7 | 9 | 5.2 | |
| Canton | 448 | 10 | 71 | 29.45 | 29.92 | .... | 62.4 | − 3.4 | 85 | 20 | 72 | 32 | 4 | 52 | 31 | .... | .... | .... | 1.98 | − 1.4 | 9 | 6,602 | sw. | 37 | sw. | 13 | 13 | 11 | 6 | 4.3 | |
| Oswego | 335 | 76 | 91 | 29.56 | 29.93 | − .04 | 62.0 | − 1.8 | 83 | 26 | 69 | 40 | 5 | 55 | 25 | 56 | 52 | 73 | 1.69 | − 1.7 | 9 | 5,140 | w. | 26 | se. | 5 | 11 | 10 | 9 | 4.9 | |
| Rochester | 523 | 88 | 102 | 29.39 | 29.95 | − .02 | 64.6 | − 1.5 | 89 | 22 | 73 | 43 | 1 | 56 | 31 | 57 | 52 | 66 | 1.32 | − 1.8 | 7 | 4,837 | w. | 24 | sw. | 12 | 12 | 6 | 12 | 5.2 | |
| Syracuse | 597 | 97 | 113 | 29.30 | 29.94 | − .03 | 63.8 | − 3.1 | 87 | 22 | 72 | 37 | 4 | 55 | 24 | .... | .... | .... | 2.24 | − 1.6 | 10 | 6,389 | nw. | 26 | se. | 5 | 9 | 10 | 11 | 6.1 | |
| Erie | 714 | 92 | 102 | 29.19 | 29.95 | − .03 | 63.6 | − 3.4 | 83 | 23 | 70 | 42 | 1 | 57 | 18 | 58 | 54 | 69 | 2.01 | − 1.7 | 7 | 5,815 | w. | 35 | sw. | 26 | 8 | 12 | 10 | 5.4 | |
| Cleveland | 762 | 190 | 201 | 29.15 | 29.96 | − .02 | 63.6 | − 4.3 | 84 | 23 | 70 | 41 | 1 | 57 | 22 | 59 | 55 | 74 | 2.01 | − 1.7 | 9 | 6,836 | w. | 36 | n. | 24 | 15 | 6 | 9 | 4.6 | |
| Sandusky | 629 | 62 | 70 | 29.29 | 29.96 | − .02 | 65.9 | − 2.9 | 90 | 18 | 73 | 41 | 1 | 58 | 25 | .... | .... | .... | 1.74 | − 2.1 | 6 | 4,725 | w. | 25 | n. | 3 | 16 | 4 | 10 | 4.1 | |
| Toledo | 628 | 207 | 246 | 29.30 | 29.97 | .00 | 67.5 | − 1.9 | 95 | 30 | 77 | 40 | 2 | 58 | 28 | 59 | 55 | 66 | 0.97 | − 2.4 | 8 | 8,148 | nw. | 38 | s. | 2 | 18 | 5 | 7 | 3.6 | |
| Detroit | 730 | 218 | 258 | 29.19 | 29.97 | .00 | 66.5 | − 1.3 | 95 | 30 | 76 | 39 | 1 | 57 | 28 | 58 | 53 | 66 | 1.47 | − 2.4 | 9 | 7,752 | e. | 36 | e. | 11 | 13 | 11 | 6 | 4.7 | |

TABLE I.—*Climatological data for U. S. Weather Bureau stations, June, 1910*—Continued.

| Stations. | Elevation of instruments. | | | Pressure, in inches. | | | Temperature of the air, in degrees Fahrenheit. | | | | | | | | | Mean wet thermometer. | Mean temperature of the dew-point. | Mean relative humidity, per cent. | Precipitation, in inches. | | | Wind. | | | | | Clear days. | Partly cloudy days. | Cloudy days. | Average cloudiness during daylight, tenths. | Total snowfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Barometer above sea level, feet. | Thermometers above ground. | Anemometer above ground. | Actual, reduced to mean of 24 hours. | Sea level, reduced to mean of 24 hrs. | Departure from normal. | Mean max. + mean min. ÷ 2 | Departure from normal. | Maximum. | Date. | Mean maximum. | Minimum. | Date. | Mean minimum. | Greatest daily range. | | | | Total. | Departure from normal. | Days with .01, or more. | Total movement, miles. | Prevailing direction. | Maximum velocity. Miles per hour. | Maximum velocity. Direction. | Maximum velocity. Date. | | | | | |
| *Upper Lake Region.* | | | | | | | **64.7** | **+ 2.6** | | | | | | | | | | **66** | **0.85** | **− 2.5** | | | | | | | | | **4.1** | |
| Alpena | 609 | 13 | 92 | 29.32 | 29.99 | + .03 | 62.8 | + 2.5 | 98 | 30 | 73 | 39 | 4 | 53 | 35 | 55 | 51 | 70 | 0.92 | − 2.6 | 6 | 5,906 | nw. | 24 | nw. | 6 | 16 | 8 | 6 | 4.0 | |
| Escanaba | 612 | 40 | 82 | 29.34 | 30.00 | + .06 | 63.4 | + 2.8 | 94 | 30 | 73 | 36 | 2 | 54 | 27 | 56 | 51 | 66 | 1.06 | − 2.5 | 7 | 5,363 | s. | 25 | ne. | 10 | 17 | 9 | 4 | 3.3 | |
| Grand Haven | 632 | 54 | 92 | 29.30 | 29.98 | + .02 | 63.6 | − 1.1 | 90 | 21 | 73 | 39 | 2 | 54 | 29 | 57 | 52 | 67 | 1.23 | − 1.3 | 6 | 5,725 | w. | 34 | nw. | 18 | 15 | 11 | 4 | 3.8 | |
| Grand Rapids | 707 | 127 | 162 | 29.24 | 29.99 | + .02 | 66.9 | − 1.2 | 97 | 30 | 78 | 37 | 2 | 56 | 31 | 58 | 53 | 64 | 1.04 | − 1.5 | 4 | 5,379 | w. | 32 | nw. | 18 | 13 | 8 | 9 | 4.5 | |
| Houghton | 668 | 66 | 74 | 29.28 | 30.00 | + .06 | 65.0 | + 5.6 | 95 | 29 | 76 | 34 | 3 | 54 | 35 | ... | ... | ... | 0.39 | − 3.1 | 6 | 4 388 | w. | 19 | ne. | 1 | 13 | 10 | 7 | 4.0 | |
| Marquette | 734 | 77 | 116 | 29.22 | 30.01 | + .07 | 62.6 | + 4.1 | 93 | 21 | 72 | 35 | 3 | 54 | 33 | 56 | 50 | 66 | 0.82 | − 2.7 | 6 | 5,108 | w. | 23 | w. | 2 | 11 | 9 | 10 | 5.1 | 0.2 |
| Port Huron | 638 | 70 | 120 | 29.28 | 29.97 | .00 | 62.6 | − 1.2 | 93 | 30 | 71 | 37 | 1 | 54 | 36 | 57 | 53 | 73 | 1.10 | − 2.1 | 10 | 5,691 | ne. | 30 | ne. | 17 | 13 | 5 | 12 | 5.1 | |
| Sault Sainte Marie | 614 | 11 | 61 | 29.31 | 30.00 | + .04 | 60.9 | + 3.3 | 87 | 21 | 73 | 35 | 3 | 49 | 37 | 55 | 51 | 72 | 0.70 | − 2.1 | 5 | 4,948 | w. | 28 | nw. | 7 | 17 | 6 | 7 | 4.1 | |
| Chicago | 823 | 140 | 310 | 29.13 | 30.00 | + .04 | 68.2 | + 1.9 | 91 | 17 | 75 | 43 | 3 | 61 | 24 | 60 | 55 | 66 | 6.91 | − 2.8 | 4 | 7,612 | n. | 40 | w. | 18 | 19 | 8 | 3 | 3.2 | T. |
| Milwaukee | 681 | 122 | 139 | 29.29 | 30.02 | + .07 | 66.8 | + 3.3 | 96 | 29 | 75 | 41 | 1 | 58 | 28 | 57 | 52 | 62 | 1.01 | − 2.7 | 8 | 5,711 | ne. | 31 | w. | 18 | 22 | 3 | 5 | 3.1 | |
| Green Bay | 617 | 49 | 86 | 29.32 | 29.98 | + .03 | 68.3 | + 3.2 | 100 | 30 | 80 | 40 | 2 | 56 | 33 | 59 | 54 | 65 | 0.94 | − 2.6 | 6 | 5,311 | sw. | 31 | w. | 18 | 13 | 10 | 7 | 5.2 | |
| Duluth | 1,133 | 11 | 47 | 28.80 | 30.00 | + .08 | 65.5 | + 7.8 | 97 | 28 | 77 | 35 | 4 | 54 | 36 | 56 | 49 | 59 | 0.11 | − 4.4 | 4 | 7,895 | ne. | 35 | nw. | 1 | 14 | 13 | 3 | 4.2 | |
| *North Dakota.* | | | | | | | **66.0** | **+ 4.4** | | | | | | | | | | **59** | **1.75** | **− 2.0** | | | | | | | | | **3.7** | |
| Moorhead | 940 | 8 | 57 | 28.96 | 29.96 | + .06 | 69.1 | + 4.8 | 98 | 20 | 83 | 32 | 2 | 55 | 39 | 61 | 55 | 64 | 0.83 | − 3.3 | 8 | 5,820 | s. | 27 | se. | 8 | 20 | 7 | 3 | 2.7 | |
| Bismarck | 1,674 | 8 | 57 | 28.17 | 29.93 | + .06 | 68.9 | + 4.7 | 103 | 20 | 82 | 35 | 2 | 56 | 38 | 58 | 51 | 60 | 2.95 | − 0.6 | 13 | 8,678 | se. | 44 | sw. | 17 | 14 | 11 | 5 | 4.1 | T. |
| Devils Lake | 1,482 | 11 | 44 | 28.37 | 29.92 | + .04 | 68.4 | + 5.8 | 101 | 20 | 82 | 29 | 2 | 55 | 36 | 57 | 49 | 55 | 1.33 | − 2.2 | 7 | 8,431 | s. | 36 | nw. | 18 | 14 | 11 | 5 | 3.9 | |
| Williston | 1,872 | 14 | 56 | 27.91 | 29.85 | − .01 | 65.7 | + 2.2 | 102 | 20 | 80 | 31 | 1 | 52 | 43 | 56 | 48 | 56 | 1.88 | − 1.7 | 11 | 7,342 | se. | 48 | nw. | 23 | 17 | 6 | 7 | 4.2 | T. |
| *Upper Miss. Valley.* | | | | | | | **70.7** | **− 0.2** | | | | | | | | | | **63** | **1.04** | **− 2.4** | | | | | | | | | **3.7** | |
| Minneapolis | 918 | 102 | 208 | ... | ... | ... | 71.2 | ... | 96 | 20 | 82 | 37 | 2 | 60 | 29 | ... | ... | ... | 1.24 | − 2.8 | 7 | 6,833 | s. | 36 | n. | 1 | 19 | 3 | 8 | ... | |
| St. Paul | 837 | 171 | 179 | 29.10 | 30.00 | + .08 | 71.4 | + 4.0 | 98 | 20 | 83 | 38 | 2 | 60 | 32 | 60 | 53 | 58 | 0.91 | − 3.5 | 5 | 3,254 | sw. | 24 | s. | 17 | 19 | 7 | 4 | 3.1 | |
| La Crosse | 714 | 11 | 48 | 29.24 | 30.00 | + .07 | 69.8 | + 1.6 | 100 | 30 | 84 | 40 | 7 | 56 | 37 | ... | ... | ... | 0.37 | − 4.1 | 4 | 2,933 | s. | 15 | nw. | 2 | 19 | 6 | 5 | 2.8 | |
| Madison | 974 | 70 | 78 | 28.96 | 29.98 | + .04 | 68.8 | + 1.5 | 97 | 30 | 79 | 40 | 2 | 58 | 28 | 59 | 52 | 59 | 1.31 | − 2.8 | 7 | 4,889 | nw. | 32 | w. | 18 | 20 | 6 | 4 | 2.8 | |
| Charles City | 1,015 | 10 | 49 | 28.93 | 30.01 | + .10 | 68.9 | + 0.1 | 96 | 28 | 83 | 38 | 7 | 55 | 39 | 60 | 55 | 63 | 0.61 | − 4.5 | 6 | 3,621 | se. | 22 | s. | 17 | 13 | 10 | 7 | 4.3 | |
| Davenport | 606 | 71 | 79 | 29.33 | 29.99 | + .05 | 71.5 | + 0.6 | 99 | 30 | 83 | 43 | 2 | 60 | 29 | 61 | 54 | 57 | 0.91 | − 3.2 | 5 | 4,177 | e. | 25 | e. | 10 | 20 | 6 | 4 | 2.7 | |
| Des Moines | 861 | 84 | 101 | 29.08 | 29.97 | + .05 | 70.6 | + 0.2 | 95 | 18 | 82 | 46 | 2 | 60 | 30 | 61 | 55 | 62 | 3.11 | − 1.8 | 10 | 4,627 | se. | 34 | nw. | 19 | 11 | 13 | 6 | 5.0 | |
| Dubuque | 698 | 100 | 115 | 29.28 | 30.02 | + .09 | 70.0 | + 0.4 | 98 | 30 | 82 | 43 | 7 | 58 | 32 | 60 | 53 | 59 | 2.43 | − 2.1 | 7 | 2,865 | nw. | 18 | nw. | 1 | 19 | 8 | 3 | 3.0 | |
| Keokuk | 614 | 64 | 78 | 29.32 | 29.99 | + .05 | 71.8 | − 0.7 | 97 | 30 | 82 | 45 | 3 | 62 | 29 | 63 | 58 | 66 | 1.34 | − 3.0 | 7 | 3,654 | ne. | 22 | w. | 18 | 20 | 8 | 2 | 2.7 | |
| Cairo | 356 | 87 | 93 | 29.60 | 29.97 | .00 | 72.5 | − 2.7 | 94 | 20 | 81 | 50 | 3 | 64 | 26 | 65 | 61 | 71 | 2.05 | − 2.3 | 9 | 4,761 | ne. | 40 | n. | 9 | 11 | 11 | 8 | 5.1 | |
| La Salle | 536 | 56 | 64 | 29.44 | 30.01 | + .06 | 70.0 | − 0.1 | 99 | 30 | 83 | 39 | 1 | 57 | 36 | ... | ... | ... | 0.89 | − 3.1 | 8 | 4,410 | ne. | 27 | ne. | 10 | 19 | 6 | 5 | 3.3 | |
| Peoria | 609 | 11 | 45 | 29.34 | 30.00 | + .05 | 69.8 | − 1.1 | 98 | 30 | 83 | 42 | 7 | 57 | 36 | 62 | 57 | 67 | 0.78 | − 3.5 | 7 | 3,889 | e. | 23 | ne. | 10 | 16 | 11 | 3 | 3.5 | |
| Springfield, Ill. | 644 | 10 | 91 | 29.30 | 29.97 | + .02 | 71.8 | − 0.5 | 95 | 19 | 82 | 42 | 3 | 61 | 27 | 62 | 57 | 64 | 4.58 | + 0.3 | 10 | 5,051 | e. | 42 | se. | 8 | 14 | 10 | 6 | 4.3 | |
| Hannibal | 534 | 75 | 109 | 29.42 | 29.98 | + .03 | 70.4 | − 2.9 | 92 | 30 | 81 | 46 | 3 | 60 | 30 | ... | ... | ... | 4.39 | + 0.9 | 9 | 4,488 | sw. | 40 | se. | 8 | 17 | 7 | 6 | 4.0 | |
| St. Louis | 567 | 208 | 317 | 29.37 | 29.97 | + .02 | 72.3 | − 2.8 | 91 | 26 | 81 | 47 | 3 | 64 | 23 | 63 | 58 | 65 | 4.24 | − 0.2 | 11 | 5,509 | e. | 46 | se. | 8 | 12 | 11 | 7 | 4.9 | |
| *Missouri Valley.* | | | | | | | **70.5** | **− 0.4** | | | | | | | | | | **62** | **2.75** | **− 1.6** | | | | | | | | | **4.0** | |
| Columbia, Mo. | 784 | 11 | 84 | 29.15 | 29.96 | + .01 | 69.9 | − 4.6 | 91 | 20 | 80 | 47 | 3 | 60 | 30 | ... | ... | ... | 5.67 | + 1.3 | 11 | 4,019 | e. | 31 | e. | 8 | 20 | 3 | 7 | 3.1 | |
| Kansas City | 963 | 161 | 181 | 28.93 | 29.95 | + .03 | 71.4 | − 1.6 | 92 | 20 | 80 | 50 | 4 | 63 | 23 | 63 | 58 | 65 | 5.45 | + 0.8 | 9 | 6,986 | se. | 64 | nw. | 8 | 18 | 6 | 6 | 3.8 | |
| Springfield, Mo. | 1,324 | 98 | 104 | 28.58 | 29.96 | + .01 | 69.9 | − 2.4 | 91 | 20 | 78 | 51 | 11 | 62 | 23 | 63 | 59 | 72 | 2.56 | − 2.6 | 11 | 5,862 | s. | 35 | e. | 25 | 20 | 4 | 6 | 3.2 | |
| Iola | 984 | 11 | 50 | 28.92 | 29.94 | + .01 | 71.8 | − 1.6 | 94 | 21 | 83 | 50 | 12 | 61 | 30 | ... | ... | ... | 1.62 | − 3.1 | 10 | 4,213 | se. | 27 | ne. | 10 | 15 | 10 | 5 | 4.1 | |
| Topeka | 983 | 85 | 101 | ... | ... | ... | 71.6 | − 1.9 | 94 | 20 | 82 | 49 | 5 | 62 | 28 | ... | ... | ... | 1.76 | − 3.0 | 9 | 5,780 | e. | 37 | e. | 3 | 20 | 6 | 4 | ... | |
| Lincoln | 1,189 | 11 | 84 | 28.71 | 29.95 | + .05 | 72.0 | + 0.4 | 95 | 18 | 83 | 46 | 5 | 61 | 33 | 61 | 55 | 61 | 2.09 | − 2.2 | 6 | 6,922 | se. | 33 | nw. | 9 | 14 | 9 | 7 | 4.3 | |
| Omaha | 1,105 | 115 | 121 | 28.81 | 29.97 | + .06 | 73.0 | + 1.4 | 95 | 20 | 82 | 49 | 4 | 63 | 27 | 61 | 55 | 58 | 0.43 | − 4.6 | 4 | 5,160 | se. | 33 | sw. | 19 | 17 | 6 | 7 | 3.6 | |
| Valentine | 2,598 | 47 | 54 | 27.26 | 29.92 | + .06 | 67.8 | + 0.7 | 97 | 19 | 80 | 41 | 1 | 57 | 43 | 57 | 51 | 61 | 5.12 | + 1.3 | 13 | 8,860 | s. | 40 | se. | 7 | 11 | 13 | 6 | 4.5 | |
| Sioux City | 1,135 | 96 | 164 | 28.79 | 29.98 | + .08 | 70.1 | + 0.7 | 94 | 20 | 81 | 42 | 5 | 59 | 32 | ... | ... | ... | 1.41 | − 2.5 | 10 | 8,273 | se. | 46 | s. | 15 | 13 | 9 | 8 | 4.7 | |
| Pierre | 1,572 | 70 | 75 | 28.28 | 29.91 | + .04 | 71.2 | + 2.3 | 101 | 20 | 82 | 41 | 6 | 60 | 38 | 59 | 51 | 55 | 2.52 | − 0.6 | 10 | 8,304 | se. | 38 | nw. | 24 | 13 | 11 | 6 | 4.3 | |
| Huron | 1,306 | 56 | 67 | 28.59 | 29.97 | + .09 | 67.8 | + 1.2 | 97 | 21 | 80 | 37 | 6 | 55 | 39 | 59 | 53 | 62 | 2.54 | − 1.2 | 8 | 8,591 | s. | 36 | s. | 14 | 18 | 6 | 6 | 3.9 | |
| Yankton | 1,233 | 49 | 57 | 28.66 | 29.96 | + .07 | 69.8 | + 0.4 | 95 | 21 | 82 | 42 | 6 | 58 | 31 | ... | ... | ... | 1.85 | − 2.4 | 7 | 5,753 | se. | 26 | s. | 15 | 9 | 18 | 3 | 4.8 | |
| *Northern Slope.* | | | | | | | **63.9** | **+ 1.8** | | | | | | | | | | **53** | **1.32** | **− 1.0** | | | | | | | | | **4.2** | |
| Havre | 2,505 | 11 | 44 | 27.27 | 29.85 | .00 | 65.0 | + 2.6 | 101 | 26 | 80 | 29 | 3 | 50 | 47 | 54 | 45 | 54 | 1.23 | − 1.6 | 10 | 6,508 | e. | 48 | sw. | 30 | 16 | 11 | 3 | 3.9 | |
| Miles City | 2,371 | 26 | 48 | 27.39 | 29.83 | − .02 | 69.8 | + 3.8 | 108 | 19 | 83 | 40 | 3 | 56 | 42 | 57 | 50 | 56 | 2.81 | 0.0 | 6 | 4,696 | e. | 40 | w. | 7 | 17 | 9 | 4 | 3.8 | |
| Helena | 4,110 | 8 | 56 | 25.75 | 29.87 | − .01 | 62.0 | + 1.4 | 96 | 26 | 76 | 31 | 3 | 48 | 42 | 49 | 40 | 52 | 1.90 | − 0.2 | 11 | 4,961 | sw. | 31 | w. | 16 | 11 | 11 | 8 | 4.7 | |
| Kalispell | 2,962 | 11 | 34 | 26.87 | 29.88 | − .01 | 59.5 | + 0.7 | 91 | 26 | 74 | 33 | 4 | 46 | 42 | 49 | 40 | 55 | 0.40 | − 1.3 | 9 | 3,777 | w. | 31 | sw. | 16 | 11 | 15 | 4 | 4.3 | |
| Rapid City | 3,234 | 46 | 50 | 26.55 | 29.89 | + .04 | 67.8 | + 4.0 | 98 | 20 | 81 | 40 | 2 | 55 | 40 | 55 | 46 | 50 | 0.92 | − 2.7 | 12 | 6,482 | se. | 39 | sw. | 14 | 10 | 6 | 14 | 4.6 | |
| Cheyenne | 6,088 | 56 | 64 | 24.03 | 29.87 | + .03 | 62.7 | + 1.2 | 91 | 19 | 78 | 37 | 9 | 48 | 42 | 50 | 41 | 53 | 0.76 | − 0.8 | 9 | 7,241 | s. | 50 | sw. | 16 | 9 | 17 | 4 | 4.7 | |
| Lander | 5,372 | 26 | 36 | 24.61 | 29.83 | − .02 | 63.8 | + 2.5 | 91 | 27 | 81 | 33 | 3 | 47 | 49 | 49 | 36 | 44 | 0.46 | − 0.6 | 4 | 3,113 | nw. | 29 | n. | 8 | 15 | 12 | 3 | 3.6 | |
| Sheridan | 3,790 | 9 | 47 | 26.05 | 29.88 | ... | 63.6 | ... | 99 | 20 | 80 | 31 | 3 | 47 | 53 | 52 | 41 | 50 | 0.43 | ... | 8 | 6,035 | nw. | 50 | nw. | 8 | 12 | 13 | 5 | 4.3 | |
| Yellowstone Park | 6,200 | 11 | 48 | 23.88 | 29.86 | .00 | 56.0 | 0.0 | 85 | 27 | 71 | 27 | 3 | 41 | 41 | 44 | 34 | 49 | 0.61 | − 1.0 | 9 | 5,276 | sw. | 35 | sw. | 7 | 11 | 13 | 6 | 4.5 | |
| North Platte | 2,821 | 11 | 51 | 27.06 | 29.94 | + .08 | 68.6 | + 0.2 | 98 | 21 | 82 | 40 | 11 | 56 | 37 | 58 | 53 | 63 | 2.75 | − 0.5 | 9 | 6,637 | se. | 36 | s. | 24 | 17 | 9 | 4 | 3.3 | |
| *Middle Slope.* | | | | | | | **72.0** | **+ 0.2** | | | | | | | | | | **56** | **1.36** | **− 1.8** | | | | | | | | | **4.2** | |
| Denver | 5,291 | 129 | 136 | 24.72 | 29.86 | + .02 | 68.0 | + 1.6 | 95 | 23 | 84 | 42 | 3 | 52 | 39 | 52 | 40 | 44 | 0.20 | − 1.3 | 5 | 5,870 | s. | 38 | sw. | 16 | 21 | 8 | 1 | 3.0 | |
| Leadville | 10,242 | 7 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Pueblo | 4,685 | 80 | 86 | 25.26 | 29.84 | + .01 | 70.8 | + 1.8 | 97 | 19 | 86 | 46 | 11 | 56 | 44 | 54 | 42 | 45 | 1.17 | − 0.3 | 5 | 5,536 | se. | 38 | w. | 25 | 16 | 12 | 2 | 3.5 | |
| Concordia | 1,398 | 42 | 50 | 28.50 | 29.95 | + .05 | 71.6 | − 1.1 | 95 | 21 | 82 | 50 | 1 | 61 | 32 | 62 | 57 | 64 | 1.60 | − 3.4 | 8 | 5,177 | se. | 32 | s. | 2 | 5 | 24 | 1 | 5.5 | |
| Dodge City | 2,509 | 11 | 51 | 27.46 | 29.90 | + .03 | 72.2 | − 0.9 | 98 | 21 | 84 | 45 | 11 | 60 | 38 | 69 | 54 | 62 | 2.27 | − 1.0 | 7 | 9,173 | se. | 36 | se. | 16 | 12 | 14 | 4 | 4.7 | |
| Wichita | 1,358 | 98 | 121 | 28.55 | 29.96 | + .05 | 73.3 | − 1.0 | 95 | 18 | 84 | 50 | 11 | 63 | 30 | 63 | 57 | 61 | 1.94 | − 2.8 | 7 | 7,131 | se. | 33 | nw. | 2 | 10 | 17 | 3 | 4.8 | |
| Oklahoma | 1,214 | 10 | 47 | 28.65 | 29.89 | − .02 | 76.2 | + 0.5 | 97 | 2 | 87 | 53 | 12 | 65 | 40 | 65 | 60 | 61 | 1.09 | − 2.0 | 6 | 9,453 | s. | 47 | s. | 7 | 12 | 16 | 2 | 4.0 | |
| *Southern Slope.* | | | | | | | **79.6** | **+ 2.5** | | | | | | | | | | **51** | **0.67** | **− 2.2** | | | | | | | | | **3.2** | |
| Abilene | 1,738 | 10 | 52 | 28.12 | 29.87 | − .01 | 82.0 | + 3.8 | 105 | 2 | 95 | 54 | 12 | 69 | 35 | 65 | 56 | 50 | 0.74 | − 2.4 | 8 | 8,627 | s. | 40 | n. | 30 | 19 | 7 | 4 | 3.5 | |
| Amarillo | 3,676 | 10 | 49 | 26.24 | 29.88 | + .03 | 75.8 | + 3.8 | 103 | 2 | 90 | 50 | 11 | 62 | 40 | 61 | 52 | 55 | 0.66 | − 2.3 | 7 | 9,629 | s. | 38 | nw. | 10 | 15 | 15 | 0 | 3.7 | |
| Del Rio | 944 | 8 | 57 | 28.91 | 29.87 | + .02 | 83.6 | + 1.5 | 111 | 9 | 96 | 60 | 12 | 71 | 36 | ... | ... | ... | 0.52 | − 2.6 | 2 | 6,968 | se. | 29 | sw. | 5 | 25 | 4 | 1 | 1.9 | |
| Roswell | 3,578 | 9 | 57 | 26.31 | 29.84 | + .04 | 77.2 | + 0.9 | 104 | 8 | 93 | 53 | 11 | 62 | 44 | 60 | 50 | 47 | 0.75 | − 1.3 | 5 | 4,383 | se. | 25 | s. | 16 | 15 | 13 | 2 | 3.8 | |
| *Southern Plateau.* | | | | | | | **74.8** | **+ 0.2** | | | | | | | | | | **34** | **0.42** | **0.0** | | | | | | | | | **1.6** | |
| El Paso | 3,762 | 110 | 133 | 26.11 | 29.76 | + .01 | 80.7 | + 1.1 | 101 | 9 | 93 | 61 | 26 | 68 | 36 | 58 | 39 | 31 | 1.35 | + 0.8 | 5 | 8,263 | nw. | 44 | sw. | 3 | 21 | 7 | 2 | 2.5 | |
| Santa Fe | 7,013 | 8 | 56 | 23.31 | 29.80 | − .01 | 65.6 | − 0.6 | 86 | 19 | 79 | 44 | 11 | 52 | 34 | 50 | 36 | 38 | 0.56 | − 0.5 | 7 | 6,962 | se. | 43 | se. | 15 | 14 | 14 | 2 | 3.7 | |
| Flagstaff | 6,907 | 8 | 57 | 23.38 | 29.80 | + .02 | 59.9 | + 0.6 | 87 | 10 | 78 | 31 | 16 | 41 | 50 | 43 | 28 | 38 | 0.61 | + 0.1 | 2 | 6,853 | sw. | 38 | sw. | 14 | 25 | 3 | 2 | 1.5 | |
| Phoenix | 1,108 | 50 | 56 | 28.62 | 29.74 | .00 | 85.1 | + 0.7 | 111 | 11 | 101 | 62 | 16 | 69 | 40 | 64 | 50 | 32 | T. | − 0.1 | 0 | 3,212 | e. | 22 | sw. | 26 | 27 | 2 | 1 | 0.7 | |
| Yuma | 141 | 9 | 58 | 29.59 | 29.73 | − .01 | 84.2 | − 0.5 | 115 | 10 | 103 | 58 | 14 | 65 | 45 | 64 | 51 | 40 | 0.00 | 0.0 | 0 | 4,223 | w. | 24 | se. | 2 | 28 | 2 | 0 | 0.3 | |
| Brawley | †105 | 11 | 31 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Independence | 3,910 | 11 | 42 | 25.79 | 29.77 | − 0.1 | 73.3 | − 0.1 | 98 | 1 | 90 | 47 | 7 | 57 | 40 | 52 | 32 | 27 | T. | − 0.1 | 0 | 5,614 | nw. | 25 | se. | 19 | 28 | 2 | 0 | 1.2 | |
| *Middle Plateau.* | | | | | | | **67.3** | **+ 2.1** | | | | | | | | | | **25** | **0.13** | **− 0.4** | | | | | | | | | **2.4** | |
| Reno | 4,532 | 56 | 63 | 25.42 | 29.85 | − .01 | 63.8 | + 2.8 | 96 | 26 | 80 | 37 | 21 | 47 | 44 | 45 | 28 | 34 | 0.05 | − 0.2 | 1 | 6,216 | w. | 34 | w. | 29 | 25 | 4 | 1 | 1.7 | |
| Tonopah | 6,090 | 12 | 20 | 24.02 | 29.80 | ... | 67.7 | ... | 89 | 1 | 81 | 43 | 21 | 55 | 33 | 47 | 26 | 24 | 0.00 | − 0.4 | 0 | 6,347 | w. | 32 | nw. | 14 | 25 | 5 | 0 | 2.1 | |
| Winnemucca | 4,344 | 18 | 56 | 25.56 | 29.88 | .00 | 64.0 | + 0.7 | 97 | 26 | 82 | 38 | 23 | 46 | 48 | 46 | 30 | 35 | 0.09 | − 0.6 | 1 | 4,339 | sw. | 32 | s. | 14 | 23 | 5 | 2 | 1.8 | |
| Modena | 5,479 | 10 | 43 | 24.57 | 29.79 | − .03 | 65.8 | + 2.6 | 93 | 26 | 84 | 39 | 15 | 48 | 45 | 45 | 21 | 22 | T. | − 0.4 | 0 | 9,932 | sw. | 48 | sw. | 22 | 21 | 8 | 1 | 2.4 | |
| Salt Lake City | 4,360 | 147 | 189 | 25.52 | 29.79 | − .06 | 71.2 | + 2.9 | 94 | 27 | 83 | 46 | 3 | 59 | 31 | 51 | 33 | 26 | 0.17 | − 0.6 | 2 | 6,680 | nw. | 38 | e. | 116 | 21 | 8 | 1 | 2.5 | |
| Durango | 6,546 | 18 | 56 | 23.68 | 29.83 | + .01 | 63.6 | + 0.9 | 88 | 12 | 82 | 39 | 17 | 45 | 44 | 46 | 31 | 39 | 0.72 | − 0.1 | 3 | 4,577 | nw. | 26 | sw. | 15 | 15 | 14 | 1 | 3.3 | |
| Grand Junction | 4,608 | 43 | 51 | 25.29 | 29.78 | − .03 | 75.4 | + 2.8 | 98 | 19 | 90 | 51 | 10 | 61 | 39 | 52 | 28 | 22 | 0.25 | − 0.2 | 2 | 4,532 | nw. | 25 | w. | 2 | 22 | 6 | 2 | 2.7 | |
| *Northern Plateau.* | | | | | | | **64.7** | **− 1.5** | | | | | | | | | | **40** | **0.37** | **− 0.8** | | | | | | | | | **3.7** | |
| Baker City | 3,471 | 48 | 58 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Boise | 2,739 | 78 | 86 | 27.08 | 29.89 | − .02 | 66.0 | 0.0 | 100 | 26 | 81 | 38 | 8 | 51 | 39 | 50 | 35 | 40 | 0.30 | − 0.6 | 2 | 4,149 | nw. | 36 | sw. | 16 | 22 | 7 | 1 | 2.4 | |
| Lewiston | 757 | 10 | 51 | 29.14 | 29.94 | .00 | 65.8 | − 3.3 | 99 | 10 | 80 | 42 | 2 | 52 | 46 | ... | ... | ... | 0.61 | − 0.4 | 5 | 5,020 | e. | 54 | w. | 1 | 12 | 12 | 6 | 4.7 | |
| Pocatello | 4,477 | 46 | 54 | 25.41 | 29.83 | − .04 | 65.2 | + 1.0 | 94 | 27 | 80 | 38 | 9 | 50 | 44 | 48 | 31 | 32 | 0.08 | − 0.9 | 4 | 5,834 | se. | 52 | sw. | 2 | 17 | 13 | 0 | 2.4 | |
| Spokane | 1,929 | 101 | 110 | 27.92 | 29.94 | .00 | 61.4 | − 2.0 | 90 | 10 | 74 | 41 | 4 | 49 | 36 | 49 | 37 | 46 | 0.21 | − 1.4 | 4 | 5,325 | sw. | 35 | sw. | 1 | 8 | 12 | 10 | 5.6 | |
| Walla Walla | 1,000 | 71 | 79 | 28.90 | 29.96 | .00 | 65.2 | − 3.0 | 102 | 10 | 78 | 42 | 2 | 53 | 45 | 52 | 39 | 44 | 0.63 | − 0.6 | 5 | 4,710 | s. | 32 | sw. | 11 | 20 | 6 | 4 | 3.3 | |
| *N. Pac. Coast Reg.* | | | | | | | **55.8** | **− 1.7** | | | | | | | | | | **73** | **1.39** | **− 0.7** | | | | | | | | | **5.5** | |
| Blaine | 58 | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| North Head | 211 | 11 | 56 | 29.88 | 30.10 | + .11 | 53.1 | − 1.9 | 64 | 10 | 56 | 47 | 1 | 50 | 12 | 50 | 48 | 83 | 2.22 | + 0.4 | 11 | 10,515 | nw. | 62 | se. | 20 | 6 | 13 | 11 | 6.1 | |

TABLE I.—*Climatological data for U. S. Weather Bureau stations, June, 1910*—Continued.

| Stations. | Elevation of instruments. | | | Pressure, in inches. | | | Temperature of the air, in degrees Fahrenheit. | | | | | | | | Mean wet thermometer. | Mean temperature of the dew-point. | Mean relative humidity, per cent. | Precipitation, in inches. | | | Wind. | | | | Clear days. | Partly cloudy days. | Cloudy days. | Average cloudiness during daylight, tenths. | Total snowfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Barometer above sea level, feet. | Thermometers above ground. | Anemometer above ground. | Actual, reduced to mean of 24 hours. | Sea level, reduced to mean of 24 hrs. | Departure from normal. | Mean max. + mean min. ÷ 2. | Departure from normal. | Maximum. | Date. | Mean maximum. | Minimum. | Date. | Mean minimum. | Greatest daily range. | | | | Total. | Departure from normal. | Days with .01, or more. | Total movement, miles. | Prevailing direction. | Maximum velocity. Miles per hour. | Maximum velocity. Direction. | Maximum velocity. Date. | | | | |
| *N.P.Coast Reg.*-Con. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Crescent | 259 | 8 | 53 | 29.83 | 30.11 | + .08 | 50.4 | − 2.0 | 74 | 10 | 58 | 35 | 3 | 42 | 33 | ..... | ..... | ..... | 1.35 | − 0.5 | 7 | 3,683 | nw. | 18 | nw. | 10 | 4 | 22 | 4 | 5.8 | |
| Seattle | 123 | 185 | 224 | 29.94 | 30.07 | + .07 | 57.5 | − 2.6 | 84 | 10 | 65 | 46 | 2 | 50 | 30 | 52 | 48 | 75 | 0.82 | − 0.9 | 8 | 5,623 | s. | 40 | sw. | 10 | 5 | 10 | 15 | 6.8 | |
| Tacoma | 213 | 113 | 120 | 29.82 | 30.04 | + .01 | 57.2 | − 2.2 | 86 | 10 | 66 | 44 | 3 | 49 | 34 | 50 | 44 | 66 | 0.90 | − 1.2 | 7 | 4,512 | n. | 30 | w. | 1 | 9 | 8 | 13 | 5.7 | |
| Tatoosh Island | 86 | 7 | 57 | 29.98 | 30.08 | + .06 | 52.2 | − 0.8 | 65 | 4 | 56 | 46 | 3 | 48 | 17 | 49 | 46 | 83 | 1.73 | − 2.4 | 11 | 7,007 | sw. | 44 | w. | 1 | 5 | 9 | 16 | 6.8 | |
| Portland, Oreg. | 153 | 68 | 106 | 29.90 | 30.06 | + .02 | 60.3 | − 1.0 | 94 | 10 | 69 | 44 | 3 | 51 | 36 | 52 | 46 | 63 | 1.61 | − 0.2 | 7 | 4,339 | nw. | 30 | sw. | 10 | 8 | 16 | 6 | 4.9 | |
| Roseburg | 510 | 9 | 57 | 29.52 | 30.07 | + .04 | 59.8 | − 1.1 | 94 | 10 | 72 | 39 | 23 | 47 | 46 | 51 | 45 | 66 | 1.09 | 0.0 | 8 | 3,075 | nw. | 22 | sw. | 19 | 10 | 14 | 6 | 4.3 | |
| *Mid. Pac. Coast Reg.* | | | | | | | 61.7 | − 2.5 | | | | | | | | | | 64 | 0.10 | − 0.2 | | | | | | | | | 2.8 | |
| Eureka | 62 | 62 | 80 | 30.03 | 30.10 | + .05 | 53.1 | − 1.5 | 63 | 29 | 57 | 46 | 23 | 49 | 17 | 50 | 47 | 82 | 0.49 | − 0.6 | 6 | 6,153 | nw. | 37 | nw. | 1 | 3 | 14 | 13 | 6.6 | |
| Mount Tamalpais | 2,375 | 11 | 18 | 27.52 | 29.97 | + .02 | 59.0 | ..... | 88 | 25 | 68 | 40 | 6 | 50 | 25 | 51 | 44 | 62 | 0.03 | − 0.1 | 2 | 13,705 | nw. | 92 | nw. | 13 | 22 | 7 | 1 | 1.8 | |
| Point Reyes Light | 490 | 7 | 18 | 29.43 | 29.93 | ..... | 50.8 | ..... | 59 | 18 | 55 | 45 | 7 | 47 | 13 | ..... | ..... | ..... | 0.07 | ..... | 2 | 23,013 | nw. | 76 | nw. | 27 | 19 | 6 | 5 | 3.3 | |
| Red Bluff | 332 | 50 | 56 | 29.54 | 29.88 | .00 | 73.5 | − 2.2 | 106 | 25 | 87 | 52 | 5 | 60 | 37 | 56 | 42 | 39 | 0.12 | − 0.3 | 2 | 4,416 | se. | 26 | nw. | 13 | 23 | 5 | 2 | 1.9 | |
| Sacramento | 69 | 106 | 117 | 29.83 | 29.90 | + .01 | 66.4 | − 2.5 | 100 | 25 | 81 | 46 | 20 | 52 | 41 | 55 | 47 | 58 | T. | − 0.2 | 0 | 6,336 | s. | 26 | s. | 10 | 26 | 3 | 1 | 1.2 | |
| San Francisco | 155 | 200 | 204 | 29.82 | 29.98 | + .02 | 55.9 | − 1.1 | 74 | 9 | 62 | 48 | 8 | 50 | 24 | 51 | 47 | 78 | 0.02 | − 0.2 | 1 | 8,541 | w. | 33 | w. | 25 | 21 | 8 | 1 | 2.2 | |
| San Jose | 141 | 12 | 110 | 29.85 | 30.00 | ..... | 59.7 | − 5.3 | 93 | 9 | 73 | 40 | 21 | 46 | 44 | ..... | ..... | ..... | 0.02 | − 0.1 | 1 | 3,553 | nw. | 20 | nw. | 15 | 26 | 2 | 2 | 1.6 | |
| Southeast Farallon | 30 | 9 | 17 | 29.99 | 30.02 | ..... | 52.2 | ..... | 60 | 9 | 54 | 48 | 8 | 50 | 10 | ..... | ..... | ..... | 0.03 | − 0.1 | 2 | 14,917 | nw. | 54 | nw. | 13 | 18 | 4 | 8 | 3.4 | |
| *S. Pac. Coast Reg.* | | | | | | | 64.7 | − 1.4 | | | | | | | | | | 66 | T. | − 0.1 | | | | | | | | | 2.9 | |
| Fresno | 330 | 67 | 70 | 29.54 | 29.88 | + .03 | 73.8 | − 2.0 | 107 | 26 | 91 | 51 | 6 | 57 | 43 | 55 | 39 | 37 | T. | − 0.1 | 0 | 5,601 | w. | 24 | w. | 13 | 27 | 2 | 1 | 0.9 | |
| Los Angeles | 338 | 159 | 191 | 29.56 | 29.92 | + .02 | 64.4 | − 0.1 | 85 | 11 | 73 | 52 | 12 | 56 | 27 | 57 | 53 | 75 | 0.00 | − 0.1 | 0 | 4,184 | sw. | 18 | sw. | 13 | 16 | 13 | 1 | 3.5 | |
| San Diego | 87 | 94 | 102 | 29.84 | 29.93 | + .01 | 62.0 | − 1.8 | 71 | 19 | 66 | 54 | 30 | 58 | 15 | 58 | 55 | 80 | 0.00 | 0.0 | 0 | 4,538 | sw. | 21 | nw. | 9 | 18 | 9 | 3 | 3.7 | |
| San Luis Obispo | 201 | 47 | 54 | 29.77 | 29.99 | + .04 | 58.7 | − 1.7 | 86 | 24 | 70 | 43 | 7 | 47 | 40 | 51 | 47 | 74 | 0.00 | − 0.1 | 0 | 4,663 | nw. | 25 | w. | 21 | 15 | 12 | 3 | 3.5 | |
| *West Indies.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grand Turk | 11 | 6 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| San Juan | 82 | 48 | 90 | 29.95 | 30.04 | + .05 | 79.6 | ..... | 90 | 1 | 84 | 72 | 24 | 75 | 14 | 74 | 71 | 76 | 6.64 | + 1.8 | 21 | 9,827 | e. | 29 | e. | 17 | 11 | 12 | 7 | 4.9 | |
| *Panama.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Christobal | 17 | 5 | 60 | 29.84 | 29.85 | ..... | 79.3 | ..... | 89 | 13 | 84 | 73 | 17 | 75 | 15 | 76 | 75 | 90 | 13.63 | + 0.4 | 26 | 4,598 | se. | 19 | sw. | 19 | 0 | 13 | 17 | 7.6 | |
| Culebra | 172 | 4 | 30 | 29.44 | 29.85 | ..... | 78.9 | ..... | 92 | 6 | 86 | 70 | 17 | 72 | 21 | 74 | 74 | 95 | 11.16 | + 2.0 | 25 | 3,345 | nw. | 24 | ne. | 28 | 0 | 5 | 25 | 8.6 | |
| Ancon | 92 | 6 | 69 | 29.75 | 29.84 | ..... | 79.3 | ..... | 90 | 26 | 86 | 71 | 17 | 73 | 19 | 75 | 74 | 90 | 8.82 | + 0.1 | 24 | 4,096 | nw. | 24 | w. | 29 | 0 | 5 | 25 | 8.5 | |
| Alhajuela | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 13.62 | + 0.5 | 27 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| Bohio | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11.75 | − 0.7 | 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| Gatun | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11.41 | − 2.0 | 27 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |

† Below sea level.

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.80 inch in 1 hour, during June, 1910, at all stations furnished with self-registering gages.*

| Stations. | Date. | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Depths of precipitation (in inches) during periods of time indicated. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Abilene, Tex | 30 | ..... | ..... | 0.25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.25 | ..... | ..... | ..... |
| Albany, N. Y | 18 | ..... | ..... | 0.21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.13 | ..... | ..... | ..... |
| Alpena, Mich | 17 | ..... | ..... | 0.18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.11 | ..... | ..... | ..... |
| Amarillo, Tex | 28 | ..... | ..... | 0.28 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.17 | ..... | ..... | ..... |
| Anniston, Ala | 10 | 12:41 a. m. | D. N. | 0.61 | 1:20 a. m. | 1:35 a. m. | 0.02 | 0.11 | 0.27 | 0.42 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Do | 10 | 8:55 p. m. | 11:15 p. m. | 0.81 | 10 28 p. m. | 11:03 p. m. | 0.19 | 0.09 | 0.20 | 0.29 | 0.39 | 0.44 | 0.53 | 0.62 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Do | 23 | 6:50 p. m. | 9:30 p. m. | 0.90 | 6:54 p. m. | 7:35 p. m. | 0.01 | 0.14 | 0.28 | 0.36 | 0.46 | 0.59 | 0.71 | 0.74 | 0.79 | ..... | ..... | ..... | ..... | ..... | ..... |
| Do | 30 | D. N. | 2:00 p. m. | 1.74 | 2:19 a. m. | 2:59 a. m. | 0.01 | 1.10 | 0.23 | 0.31 | 0.51 | 0.71 | 0.85 | 0.91 | 0.97 | ..... | ..... | ..... | ..... | ..... | ..... |
| Ashville, N. C | 12 | 11:53 a. m. | 4:15 p. m. | 1.02 | 12:30 p. m. | 12:47 p. m. | 0.02 | * | * | 0.58 | 0.63 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Atlanta, Ga | 20 | 1:19 p. m. | 4:15 p. m. | 0.74 | 1:54 p. m. | 2:14 p. m. | 0.07 | 0.11 | 0.32 | 0.50 | 0.59 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Atlantic City, N. J | 9-10 | 3:20 p. m. | D. N. | 1.70 | 12:53 a. m. | 1:07 a. m. | 1.17 | 0.17 | 0.30 | 0.44 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Do | 18 | 5:48 p. m. | 9:45 p. m. | 1.27 | 5:53 p. m. | 6:09 p. m. | 0.01 | 0.44 | 0.88 | 1.01 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Augusta, Ga | 2 | 10:00 p. m. | D. N. | 0.68 | 10:13 p. m. | 10:23 p. m. | 0.01 | 0.28 | 0.37 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Do | 23 | 7:35 p. m. | 9:00 p. m. | 0.54 | 7:56 p. m. | 8:10 p. m. | 0.13 | 0.21 | 0.33 | 0.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Baltimore, Md | 9 | ..... | ..... | 1.92 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.61 | ..... | ..... | ..... |
| Bentonville, Ark | 8 | 1:15 a. m. | 4:00 a. m. | 0.65 | 1:33 a. m. | 1:43 a. m. | 0.02 | 0.32 | 0.56 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Do | 9 | 1:35 a. m. | 2:55 p. m. | 0.47 | 2:07 p. m. | 2:25 p. m. | 0.01 | 0.12 | 0.24 | 0.38 | 0.43 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Do | 22 | 2:30 p. m. | 3:40 p. m. | 1.41 | 2:35 p. m. | 3:20 p. m. | 0.01 | 0.05 | 0.23 | 0.40 | 0.61 | 0.85 | 0.96 | 1.10 | 1.24 | 1.31 | ..... | ..... | ..... | ..... | ..... |
| Do | 25 | 7:08 p. m. | 8:50 p. m. | 0.43 | 7:18 p. m. | 7:28 p. m. | 0.01 | 0.21 | 0.33 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Binghamton, N. Y | 16 | ..... | ..... | 0.61 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.22 | ..... | ..... | ..... |
| Birmingham, Ala | 4-5 | 11:55 p. m. | D. N. | 0.67 | 12:05 a. m. | 12:15 a. m. | 0.03 | 0.28 | 0.47 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Do | 21 | 5:50 p. m. | 7:08 p. m. | 0.96 | 5:57 p. m. | 6:32 p. m. | 0.01 | 0.12 | 0.30 | 0.40 | 0.52 | 0.60 | 0.76 | 0.86 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Do | 28 | 3:15 p. m. | 4:45 p. m. | 1.21 | 3:21 p. m. | 4:11 p. m. | 0.04 | 0.06 | 0.18 | 0.32 | 0.48 | 0.66 | 0.80 | 0.85 | 0.91 | 1.04 | 1.12 | ..... | ..... | ..... | ..... |
| Bismarck, N. Dak | 29 | 5:35 p. m. | 6:50 p. m. | 1.24 | 5:47 p. m. | 6:44 p. m. | 0.02 | 0.11 | 0.21 | 0.44 | 0.68 | 0.77 | 1.04 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Block Island, R. I | 12 | ..... | ..... | 0.47 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.34 | ..... | ..... | ..... |
| Boise, Idaho | 16 | ..... | ..... | 0.26 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.19 | ..... | ..... | ..... |
| Boston, Mass | 12 | 12:30 a. m. | 7:45 a. m. | 0.89 | 2:23 a. m. | 2:47 a. m. | 0.15 | 0.09 | 0.32 | 0.40 | 0.47 | 0.52 | 0.52 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Buffalo, N. Y | 5 | ..... | ..... | 0.33 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.15 | ..... | ..... | ..... |
| Burlington, Vt | 27 | 12:20 p. m. | 2:20 p. m. | 0.83 | 12:27 p. m. | 12:44 p. m. | 0.01 | 0.29 | 0.55 | 0.69 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Cairo, Ill | 4 | 10:14 a. m. | 12:55 p. m. | 0.75 | 11:38 a. m. | 11:51 a. m. | 0.28 | 0.20 | 0.32 | 0.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Canton, N. Y | 18 | ..... | ..... | 0.71 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.34 | ..... | ..... | ..... |
| Charles City, Iowa | 8 | ..... | ..... | 0.26 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.07 | ..... | ..... | ..... |
| Charleston, S. C | 3 | D. N. | D. N. | 0.60 | 12:40 a. m. | 1:00 a. m. | 0.01 | 0.22 | 0.29 | 0.36 | 0.45 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Charlotte, N. C | 10 | 12:50 p. m. | 3:30 p. m. | 0.88 | 1:57 p. m. | 2:08 p. m. | 0.19 | 0.20 | 0.51 | 0.61 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Do | 13-14 | D. N. | D. N. | 1.82 | 4:06 a. m. | 4:50 a. m. | 0.73 | 0.05 | 0.22 | 0.34 | 0.43 | 0.58 | 0.70 | 0.81 | 0.96 | 1.03 | ..... | ..... | ..... | ..... | ..... |
| Do | 19 | 7:34 p. m. | D. N. | 0.92 | 7:37 p. m. | 8:07 p. m. | 0.01 | 0.07 | 0.22 | 0.37 | 0.57 | 0.70 | 0.79 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Do | 30 | 5:20 p. m. | 7:30 p. m. | 0.57 | 5:26 p. m. | 5:41 p. m. | 0.01 | 0.30 | 0.43 | 0.51 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Chattanooga, Tenn | 5 | ..... | ..... | 1.60 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.62 | ..... | ..... | ..... |
| Cheyenne, Wyo | 24 | ..... | ..... | 0.28 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.17 | ..... | ..... | ..... |
| Chicago, Ill | 2 | ..... | ..... | 0.41 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.16 | ..... | ..... | ..... |
| Cincinnati, Ohio | 27 | 11:15 a. m. | 2:35 p. m. | 1.16 | 12:22 p. m. | 1:11 p. m. | 0.22 | 0.10 | 0.25 | 0.35 | 0.42 | 0.47 | 0.51 | 0.55 | 0.59 | 0.68 | 0.72 | ..... | ..... | ..... | ..... |
| Cleveland, Ohio | 6 | ..... | ..... | 0.54 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.27 | ..... | ..... | ..... |
| Columbia, Mo | 8 | 12:40 p. m. | 8:30 p. m. | 2.72 | 5:34 p. m. | 7:35 p. m. | 1.20 | 0.07 | 0.21 | 0.37 | 0.44 | 0.46 | 0.48 | 0.59 | 0.68 | 0.74 | 0.88 | 1.04 | 1.27 | 1.42 | ..... |
| Columbia, S. C | 30 | 1:16 p. m. | 1:48 p. m. | 0.43 | 1:19 p. m. | 1:31 p. m. | 0.01 | 0.20 | 0.36 | 0.41 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Columbus, Ohio | 10 | ..... | ..... | 1.45 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.38 | ..... | ..... | ..... |
| Concord, N. H | 18 | 11:00 a. m. | 12:48 p. m. | 0.80 | 11:00 a. m. | 11:15 a. m. | 0.00 | 0.09 | 0.41 | 0.66 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Concordia, Kans | 7 | ..... | ..... | 0.78 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.39 | ..... | ..... | ..... |
| Corpus Christi, Tex | 5 | 1:18 a. m. | 1:31 a. m. | 0.58 | 1:41 a. m. | 2:01 a. m. | 0.04 | 0.12 | 0.27 | 0.39 | 0.44 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Davenport, Iowa | 4 | ..... | ..... | 0.24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.22 | ..... | ..... | ..... |
| Del Rio, Tex | 25 | ..... | ..... | 0.51 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | * | ..... | ..... | ..... |
| Denver, Colo | 29 | ..... | ..... | 0.09 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.07 | ..... | ..... | ..... |

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, etc.*—Continued.

| Stations. | Date. | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Depths of precipitation (in inches) during periods of time indicated. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Des Moines, Iowa | 9 | | | 1.08 | | | | | | | | | | | | | | 0.47 | | | |
| Detroit, Mich | 2 | | | 0.69 | | | | | | | | | | | | | | 0.19 | | | |
| Devils Lake, N. Dak | 24 | | | 0.40 | | | | | | | | | | | | | | 0.32 | | | |
| Dodge City, Kans | 25 | 1:20 p. m. | 3:05 p. m. | 0.87 | 1:24 p. m. | 2:24 p. m. | T. | 0.16 | 0.38 | 0.46 | 0.56 | 0.67 | 0.71 | 0.75 | 0.77 | 0.78 | 0.79 | 0.82 | | | |
| Dubuque, Iowa | 26–27 | 5:43 p. m. | D. N. | 1.81 | 6:23 p. m. | 7:48 p. m. | 0.34 | 0.08 | 0.13 | 0.19 | 0.28 | 0.38 | 0.48 | 0.61 | 0.72 | 0.80 | 0.86 | 0.93 | 1.09 | | |
| Duluth, Minn | 15 | | | 0.04 | | | | | | | | | | | | | | 0.04 | | | |
| Durango, Colo | 28 | | | 0.52 | | | | | | | | | | | | | | 0.20 | | | |
| Eastport, Me | 23 | | | 0.30 | | | | | | | | | | | | | | 0.30 | | | |
| Elkins, W. Va | 19 | 12:05 a. m. | 1:40 a. m. | 0.82 | 12:41 a. m. | 1:35 a. m. | 0.01 | 0.06 | 0.06 | 0.18 | 0.43 | 0.45 | 0.52 | 0.57 | 0.63 | 0.67 | 0.74 | 0.81 | | | |
| Do | 19 | 2:00 a. m. | 6:55 a. m. | 1.06 | 2:49 a. m. | 3:48 a. m. | 0.06 | 0.05 | 0.12 | 0.13 | 0.14 | 0.34 | 0.43 | 0.47 | 0.51 | 0.62 | 0.72 | 0.91 | | | |
| Do | 28 | 11:15 a. m. | 1:00 p. m. | 0.66 | 12:18 p. m. | 12:48 p. m. | 0.10 | 0.05 | 0.10 | 0.24 | 0.37 | 0.49 | 0.54 | | | | | | | | |
| El Paso, Tex | 26 | 11:35 a. m. | 1:20 p. m. | 0.63 | 12:28 p. m. | 12:38 p. m. | 0.18 | 0.21 | 0.36 | | | | | | | | | | | | |
| Erie, Pa | 26 | 10:35 p. m. | 10:55 p. m. | 0.46 | 10:46 p. m. | 10:55 p. m. | 0.05 | 0.27 | 0.41 | | | | | | | | | | | | |
| Escanaba, Mich | 5 | | | 0.45 | | | | | | | | | | | | | | * | | | |
| Eureka, Cal | 19 | | | 0.15 | | | | | | | | | | | | | | 0.09 | | | |
| Evansville, Ind | 10 | | | 0.67 | | | | | | | | | | | | | | 0.51 | | | |
| Flagstaff, Ariz | 27 | | | 0.51 | | | | | | | | | | | | | | 0.15 | | | |
| Fort Smith, Ark | 9 | 1:54 p. m. | 3:50 p. m. | 1.22 | 1:56 p. m. | 3:02 p. m. | 0.01 | 0.13 | 0.15 | 0.16 | 0.18 | 0.22 | 0.34 | 0.43 | 0.55 | 0.58 | 0.72 | 1.09 | 1.17 | | |
| Fort Worth, Tex | 29 | 1:18 p. m. | 2:50 p. m. | 0.57 | 1:33 p. m. | 1:44 p. m. | 0.01 | 0.20 | 0.37 | | | | | | | | | | | | |
| Fresno, Cal | 10 | | | T. | | | | | | | | | | | | | | T. | | | |
| Galveston, Tex | 5 | 12:20 a. m. | 6:45 a. m. | 2.11 | 12:52 a. m. | 1:42 a. m. | 0.03 | 0.28 | 0.57 | 0.69 | 0.77 | 0.90 | 0.98 | 1.11 | 1.21 | 1.31 | 1.36 | | | | |
| Do | 23 | 3:05 a. m. | 1:05 p. m. | 3.65 | § 6:15 a. m. | 6:40 a. m. | 0.29 | 0.43 | 0.92 | 1.11 | 1.19 | 1.25 | | | | | | | | | |
| | | | | | ‖11:03 a. m. | 11:26 a. m. | 2.74 | 0.07 | 0.17 | 0.37 | 0.64 | 0.71 | | | | | | | | | |
| Grand Haven, Mich | 2 | | | 0.67 | | | | | | | | | | | | | | 0.19 | | | |
| Grand Junction, Colo | 29 | | | 0.24 | | | | | | | | | | | | | | 0.14 | | | |
| Grand Rapids, Mich | 2 | | | 0.46 | | | | | | | | | | | | | | 0.14 | | | |
| Green Bay, Wis | 26 | | | 0.15 | | | | | | | | | | | | | | 0.14 | | | |
| Hannibal, Mo | 9–10 | D. N. | 8:25 a. m. | 2.93 | 12:52 a. m. | 2:32 a. m. | 0.57 | 0.09 | 0.19 | 0.24 | 0.35 | 0.44 | 0.55 | 0.59 | 0.70 | 0.83 | 0.89 | 0.96 | 1.20 | 1.58 | |
| Harrisburg, Pa | 16–17 | 9:20 p. m. | D. N. | 1.25 | 11:28 p. m. | 12:17 a. m. | 0.05 | 0.08 | 0.27 | 0.33 | 0.37 | 0.41 | 0.47 | 0.65 | 0.85 | 0.99 | 1.08 | | | | |
| Hartford, Conn | 12 | | | 0.96 | | | | | | | | | | | | | | 0.55 | | | |
| Hatteras, N. C | 6 | | | 0.70 | | | | | | | | | | | | | | 0.31 | | | |
| Havre, Mont | 30 | 5:30 p. m. | 8:25 p. m. | 0.76 | 5:50 p. m. | 6:20 p. m. | 0.03 | 0.15 | 0.19 | 0.25 | 0.27 | 0.46 | 0.61 | | | | | | | | |
| Helena, Mont | 7 | | | 0.74 | | | | | | | | | | | | | | 0.39 | | | |
| Houghton, Mich | 16 | | | 0.26 | | | | | | | | | | | | | | 0.17 | | | |
| Huron, S. Dak | 24–25 | 8:45 p. m. | 5:15 a. m. | 0.92 | 1:00 a. m. | 1:15 a. m. | 0.01 | 0.07 | 0.22 | 0.36 | | | | | | | | | | | |
| Independence, Cal | 14 | | | T. | | | | | | | | | | | | | | T. | | | |
| Indianapolis, Ind | 27 | 8:28 a. m. | 9:50 a. m. | 0.47 | 8:28 a. m. | 8:43 a. m. | 0.00 | 0.22 | 0.35 | 0.43 | | | | | | | | | | | |
| Do | 27 | 11:50 a. m. | 4:45 p. m. | 1.42 | 12:22 p. m. | 1:20 p. m. | 0.06 | 0.06 | 0.09 | 0.10 | 0.11 | 0.11 | 0.12 | 0.20 | 0.42 | 0.54 | 0.82 | 1.05 | | | |
| Iola, Kans | 27 | | | 0.33 | | | | | | | | | | | | | | 0.33 | | | |
| Jacksonville, Fla | 11 | 5:55 p. m. | D. N. | 1.09 | 6:18 p. m. | 6:33 p. m. | 0.03 | 0.09 | 0.58 | 0.87 | | | | | | | | | | | |
| Do | 13 | 2:05 p. m. | 5:15 p. m. | 1.01 | 2:08 p. m. | 2:28 p. m. | 0.02 | 0.34 | 0.59 | 0.70 | 0.77 | | | | | | | | | | |
| Do | 21 | 7:35 p. m. | 8:30 p. m. | 0.67 | 7:43 p. m. | 7:59 p. m. | 0.01 | 0.24 | 0.49 | 0.62 | 0.65 | | | | | | | | | | |
| Jupiter, Fla | 30 | 1:58 p. m. | 8:00 p. m. | 2.09 | 2:03 p. m. | 2:48 p. m. | 0.02 | 0.21 | 0.41 | 0.73 | 1.04 | 1.25 | 1.36 | 1.47 | 1.57 | 1.62 | | | | | |
| Kalispell, Mont | 16 | | | 0.06 | | | | | | | | | | | | | | 0.06 | | | |
| Kansas City, Mo | 8 | 6:50 a. m. | 6:22 p. m. | 3.25 | 12:22 p. m. | 1:20 p. m. | 0.89 | 0.06 | 0.13 | 0.24 | 0.40 | 0.94 | 1.43 | 1.86 | 2.03 | 2.05 | 2.07 | 2.27 | | | |
| Keokuk, Iowa | 9 | | | 0.60 | | | | | | | | | | | | | | 0.24 | | | |
| Key West, Fla | 23 | | | 0.64 | | | | | | | | | | | | | | 0.53 | | | |
| Knoxville, Tenn | 24 | | | 0.38 | | | | | | | | | | | | | | 0.38 | | | |
| La Crosse, Wis | 26 | | | 0.27 | | | | | | | | | | | | | | 0.14 | | | |
| Lander, Wyo | 16 | | | 0.20 | | | | | | | | | | | | | | 0.18 | | | |
| La Salle, Ill | 4 | | | 0.19 | | | | | | | | | | | | | | 0.12 | | | |
| Lewiston, Idaho | 17 | | | 0.38 | | | | | | | | | | | | | | * | | | |
| Lexington, Ky | 28 | 2:00 a. m. | 9:10 a. m. | 0.97 | 2:31 a. m. | 3:01 a. m. | 0.04 | 0.16 | 0.28 | 0.32 | 0.35 | 0.40 | 0.51 | | | | | | | | |
| Lincoln, Nebr | 8 | | | 1.00 | | | | | | | | | | | | | | 0.59 | | | |
| Little Rock, Ark | 9 | 3:05 a. m. | 6:25 p. m. | 2.14 | 4:26 p. m. | 5:46 p. m. | 0.17 | 0.20 | 0.50 | 0.65 | 0.67 | 0.80 | 0.94 | 1.06 | 1.11 | 1.13 | 1.15 | 1.46 | 1.88 | | |
| Do | 24 | 5:28 p. m. | 6:42 p. m. | 0.68 | 5:32 p. m. | 5:47 p. m. | 0.01 | 0.31 | 0.51 | 0.60 | | | | | | | | | | | |
| Do | 26 | 5:56 p. m. | 7:45 p. m. | 0.53 | 6:06 p. m. | 6:24 p. m. | 0.01 | | | | 0.46 | | | | | | | | | | |
| Do | 27 | 7:41 p. m. | 9:45 p. m. | 2.60 | 7:48 p. m. | 8:57 p. m. | 0.01 | 0.20 | 0.46 | 0.96 | 1.28 | 1.48 | 1.63 | 1.84 | 1.95 | 2.03 | 2.20 | 2.42 | | | |
| Los Angeles, Cal | ‡ | | | | | | | | | | | | | | | | | | | | |
| Louisville, Ky | 10 | D. N. | 11:25 a. m. | 2.35 | 2:01 p. m. | 2:46 p. m. | 0.47 | 0.05 | 0.09 | 0.17 | 0.24 | 0.35 | 0.44 | 0.49 | 0.61 | 0.66 | | | | | |
| Lynchburg, Va | 15–16 | 3:50 p. m. | 3:45 a. m. | 2.23 | 4:02 p. m. | 4:42 p. m. | 0.01 | 0.13 | 0.35 | 0.42 | 0.44 | 0.57 | 0.65 | 0.74 | 0.79 | | | | | | |
| Do | 19 | 2:30 a. m. | 4:40 a. m. | 0.60 | 2:46 a. m. | 3:18 a. m. | 0.01 | 0.09 | 0.24 | 0.27 | 0.35 | 0.48 | 0.53 | | | | | | | | |
| Do | 21 | 4:34 p. m. | 8:30 p. m. | 0.78 | 4:57 p. m. | 5:31 p. m. | 0.01 | 0.06 | 0.07 | 0.11 | 0.31 | 0.44 | 0.60 | | | | | | | | |
| Macon, Ga | 5 | 4:42 p. m. | 7:30 p. m. | 0.74 | 5:20 p. m. | 5:33 p. m. | 0.10 | 0.06 | 0.38 | 0.51 | | | | | | | | | | | |
| Do | 11 | 3:04 p. m. | 4:25 p. m. | 1.14 | 3:17 p. m. | 3:50 p. m. | 0.05 | 0.34 | 0.69 | 0.75 | 0.84 | 0.96 | 1.01 | 1.06 | | | | | | | |
| Do | 14 | 6:14 p. m. | 7:15 p. m. | 1.02 | 6:16 p. m. | 6:45 p. m. | 0.01 | 0.20 | 0.43 | 0.62 | 0.70 | 0.84 | 0.91 | | | | | | | | |
| Madison, Wis | 18 | 11:40 a. m. | 12:00 m. | 0.37 | 11:40 a. m. | 11:55 a. m. | 0.00 | 0.13 | 0.27 | 0.37 | | | | | | | | | | | |
| Marquette, Mich | 5 | | | 0.51 | | | | | | | | | | | | | | 0.12 | | | |
| Memphis, Tenn | 9 | 2:37 a. m. | 5:00 a. m. | 0.66 | 2:42 a. m. | 3:05 a. m. | 0.61 | 0.07 | 0.25 | 0.44 | 0.47 | 0.52 | | | | | | | | | |
| Do | 27 | 1:40 p. m. | 2:50 p. m. | 0.65 | 1:49 p. m. | 2:10 p. m. | 0.01 | 0.08 | 0.25 | 0.51 | 0.59 | 0.63 | | | | | | | | | |
| Meridian, Miss | 5 | 1:15 a. m. | 6:00 a. m. | 1.51 | 4:18 a. m. | 4:58 a. m. | 0.11 | 0.17 | 0.28 | 0.47 | 0.71 | 0.84 | 0.87 | 1.03 | 1.15 | | | | | | |
| Do | 11 | 4:00 p. m. | 4:50 p. m. | 0.64 | 4:13 p. m. | 4:28 p. m. | 0.01 | 0.26 | 0.51 | 0.60 | | | | | | | | | | | |
| Do | 20 | 4:55 p. m. | 9:05 p. m. | 1.07 | 5:31 p. m. | 6:19 p. m. | 0.01 | 0.19 | 0.39 | 0.44 | 0.46 | 0.49 | 0.60 | 0.66 | 0.80 | 0.86 | 0.91 | | | | |
| Do | 24 | 11:32 a. m. | 2:35 p. m. | 0.57 | 11:37 a. m. | 11:59 a. m. | T. | 0.07 | 0.09 | 0.30 | 0.47 | 0.52 | | | | | | | | | |
| Milwaukee, Wis | 2 | | | 0.41 | | | | | | | | | | | | | | 0.11 | | | |
| Minneapolis, Minn | 25 | | | 0.73 | | | | | | | | | | | | | | 0.58 | | | |
| Mobile, Ala | 5 | 7:07 a. m. | 6:20 p. m. | 1.27 | 9:38 a. m. | 10:00 a. m. | 0.30 | 0.15 | 0.26 | 0.35 | 0.45 | 0.52 | | | | | | | | | |
| Do | 10 | D. N. | 7:45 a. m. | 1.26 | 2:04 a. m. | 2:53 a. m. | 0.04 | 0.21 | 0.51 | 0.54 | 0.66 | 0.83 | 0.85 | 0.85 | 0.85 | 0.94 | 1.09 | | | | |
| Do | 10 | 12:10 p. m. | 4:00 p. m. | 1.57 | 1:55 p. m. | 2:13 p. m. | 0.11 | 0.17 | 0.70 | 0.70 | 1.28 | 1.40 | | | | | | | | | |
| Do | 11 | 4:08 p. m. | 5:45 p. m. | 0.81 | 4:15 p. m. | 4:36 p. m. | 0.01 | 0.10 | 0.24 | 0.29 | 0.43 | | | | | | | | | | |
| Modena, Utah | 15 | | | T. | | | | | | | | | | | | | | T. | | | |
| Montgomery, Ala | 5 | 6:20 a. m. | D. N. | 0.67 | 11:32 a. m. | 11:49 a. m. | 0.02 | 0.11 | 0.23 | 0.38 | 0.42 | | | | | | | | | | |
| Do | 10 | D. N. | 5:30 a. m. | 1.09 | 1:42 a. m. | 2:14 a. m. | 0.01 | 0.19 | 0.27 | 0.31 | 0.35 | 0.40 | 0.52 | 0.56 | | | | | | | |
| Do | 25 | 2:06 p. m. | 3:30 p. m. | 0.70 | 2:22 p. m. | 2:35 p. m. | 0.02 | 0.15 | 0.51 | 0.66 | | | | | | | | | | | |
| Do | 28 | 8:17 p. m. | D. N. | 0.93 | 8:27 p. m. | 8:46 p. m. | 0.02 | 0.23 | 0.56 | 0.76 | 0.83 | | | | | | | | | | |
| Do | 30 | 9:08 a. m. | 12:15 p. m. | 0.89 | 10:56 a. m. | 11:17 a. m. | 0.08 | 0.17 | 0.38 | 0.49 | 0.57 | 0.58 | | | | | | | | | |
| Moorhead, Minn | 5 | | | 0.34 | | | | | | | | | | | | | | 0.20 | | | |
| Mount Tamalpais, Cal | 19 | | | 0.01 | | | | | | | | | | | | | | 0.01 | | | |
| Mount Weather, Va | 18 | | | 0.69 | | | | | | | | | | | | | | 0.50 | | | |
| Nantucket, Mass | 21 | 6:58 a. m. | 9:35 a. m. | 0.62 | 8:46 a. m. | 9:07 a. m. | 0.13 | 0.26 | 0.31 | 0.35 | 0.43 | 0.47 | | | | | | | | | |
| Nashville, Tenn | 4 | 3:10 p. m. | 4:20 p. m. | 0.86 | 3:16 p. m. | 3:40 p. m. | 0.02 | 0.09 | 0.14 | 0.30 | 0.46 | 0.56 | | | | | | | | | |
| Do | 10 | 4:23 p. m. | 6:15 p. m. | 0.65 | 4:24 p. m. | 4:39 p. m. | 0.01 | 0.30 | 0.43 | 0.51 | | | | | | | | | | | |
| Do | 20 | 1:45 p. m. | 3:20 p. m. | 0.82 | 2:19 p. m. | 2:49 p. m. | 0.14 | 0.12 | 0.14 | 0.16 | 0.31 | 0.42 | 0.51 | | | | | | | | |
| New Haven, Conn | 11–12 | 9:23 p. m. | D. N. | 0.56 | 4:13 a. m. | 4:21 a. m. | 0.18 | 0.29 | 0.38 | | | | | | | | | | | | |
| New Orleans, La | 10 | 4:15 p. m. | 7:45 p. m. | 0.86 | 4:24 p. m. | 4:54 p. m. | T. | 0.05 | 0.15 | 0.25 | 0.39 | 0.54 | 0.64 | | | | | | | | |
| Do | 24 | 3:00 p. m. | 7:30 p. m. | 2.74 | 3:00 p. m. | 4:40 p. m. | 0.00 | 0.05 | 0.33 | 0.47 | 0.54 | 0.66 | 0.79 | 0.96 | 1.38 | 1.49 | 1.56 | 1.61 | 1.85† | 2.47† | |
| Do | 26 | 3:50 p. m. | 7:40 p. m. | 3.30 | 4:00 p. m. | 4:20 p. m. | T. | 0.63 | 0.83 | 0.91 | | | | | | | | | | | |
| Do | 26 | 3:50 p. m. | 7:40 p. m. | 3.30 | 5:11 p. m. | 5:46 p. m. | 1.41 | 0.34 | 0.64 | 0.96 | 1.30 | 1.53 | 1.63 | 1.67† | | | | | | | |
| New York, N. Y | 11–12 | 10:15 p. m. | 8:40 a. m. | 0.64 | 2:22 a. m. | 2:32 a. m. | 0.20 | 0.21 | 0.32 | | | | | | | | | | | | |
| Do | 18 | 3:12 p. m. | 5:10 p. m. | 0.71 | 3:20 p. m. | 3:40 p. m. | T. | 0.12 | 0.39 | 0.48 | 0.53 | | | | | | | | | | |
| Norfolk, Va | 12 | 2:35 p. m. | 6:15 p. m. | 1.86 | 3:24 p. m. | 4:58 p. m. | 0.07 | 0.20 | 0.41 | 0.60 | 0.75 | 0.86 | 0.89 | 0.91 | 0.92 | 0.95 | 1.01 | 1.32 | 1.48 | 1.66 | |
| Do | 21 | 2:50 p. m. | 4:30 p. m. | 0.84 | 3:18 p. m. | 3:55 p. m. | 0.05 | 0.06 | 0.18 | 0.27 | 0.38 | 0.39 | 0.50 | 0.69 | 0.76 | | | | | | |
| Do | 28 | 3:55 p. m. | 6:00 p. m. | 0.82 | 4:07 p. m. | 4:44 p. m. | 0.03 | 0.21 | 0.43 | 0.64 | 0.67 | 0.67 | 0.68 | 0.69 | 0.73 | | | | | | |

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, etc.*—Continued.

| Stations. | Date. | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Depths of precipitation (in inches) during periods of time indicated. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | *80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Northfield, Vt | 7 | | | 0.56 | | | | | | | | | | | | | | 0.50 | | | |
| North Head, Wash | 20 | | | 0.51 | | | | | | | | | | | | | | 0.21 | | | |
| North Platte, Nebr | 24 | 3:45 p. m. | 4:30 p. m. | 1.13 | 3:51 p. m. | 4:06 p. m. | 0.31 | 0.15 | 0.47 | 0.54 | | | | | | | | | | | |
| Do | 30 | 7:00 p. m. | 11:30 p. m. | 0.68 | 7:13 p. m. | 7:28 p. m. | 0.01 | 0.20 | 0.40 | 0.49 | | | | | | | | | | | |
| Oklahoma, Okla | 6 | | | 0.62 | | | | | | | | | | | | | | 0.43 | | | |
| Omaha, Nebr | 8 | | | 0.22 | | | | | | | | | | | | | | 0.09 | | | |
| Oswego, N. Y | 5 | | | 0.89 | | | | | | | | | | | | | | 0.27 | | | |
| Palestine, Tex | 24 | 8:20 a. m. | 11:35 a. m. | 0.52 | 8:51 a. m. | 9:06 a. m. | 0.01 | 0.14 | 0.31 | 0.42 | | | | | | | | | | | |
| Parkersburg, W. Va | 19 | | | 0.43 | | | | | | | | | | | | | | 0.23 | | | |
| Pensacola, Fla | 22 | 11:10 a. m. | 12:20 p. m. | 0.57 | 11:42 a. m. | 11:58 a. m. | 0.10 | 0.18 | 0.21 | 0.37 | 0.42 | | | | | | | | | | |
| Do | 23 | 11:05 a. m. | 12:35 p. m. | 1.00 | 11:07 a. m. | 11:45 a. m. | 0.02 | 0.18 | 0.30 | 0.30 | 0.31 | 0.56 | 0.74 | 0.85 | 0.94 | | | | | | |
| Do | 29–30 | 10:30 p. m. | 5:00 a. m. | 1.51 | 10:57 p. m. | 11:38 p. m. | 0.05 | 0.15 | 0.35 | 0.56 | 0.63 | 0.72 | 0.79 | 0.80 | 0.90 | 0.96 | | 0.09 | | | |
| Peoria, Ill | 8 | | | 0.18 | | | | | | | | | | | | | | | | | |
| Philadelphia, Pa | 18 | 4:20 p. m. | 6:45 p. m. | 0.44 | 5:03 p. m. | 5:17 p. m. | 0.02 | 0.06 | 0.23 | 0.36 | | | | | | | | | | | |
| Phoenix, Ariz | 26 | | | T. | | | | | | | | | | | | | | T. | | | |
| Pierre, S. Dak | 24 | 9:15 p. m. | 11:10 p. m. | 1.02 | 9:38 p. m. | 9:52 p. m. | 0.23 | 0.31 | 0.49 | 0.66 | | | | | | | | | | | |
| Pittsburg, Pa | 10 | | | 0.35 | | | | | | | | | | | | | | 0.25 | | | |
| Pocatello, Idaho | 16 | | | 0.04 | | | | | | | | | | | | | | 0.03 | | | |
| Pt. Reyes Light, Cal | 10 | | | 0.06 | | | | | | | | | | | | | | 0.04 | | | |
| Port Huron, Mich | 5 | | | 0.22 | | | | | | | | | | | | | | 0.09 | | | |
| Portland, Me | 27 | | | 0.30 | | | | | | | | | | | | | | 0.26 | | | |
| Portland, Oreg | 10 | | | 0.45 | | | | | | | | | | | | | | 0.22 | | | |
| Providence, R. I | 18 | 3:42 p. m. | 5:46 p. m. | 1.07 | 3:42 p. m. | 4:12 p. m. | 0.00 | 0.16 | 0.43 | 0.49 | 0.61 | 0.79 | 0.96 | | | | | | | | |
| Pueblo, Colo | 24 | | | 0.42 | | | | | | | | | | | | | | 0.41 | | | |
| Raleigh, N. C | 5 | 6:55 a. m. | 6:30 p. m. | 1.39 | 3:38 p. m. | 3:48 p. m. | 0.95 | 0.15 | 0.31 | | | | | | | | | | | | |
| Do | 9 | 5:05 p. m. | 7:10 p. m. | 1.03 | 5:10 p. m. | 5:29 p. m. | 0.02 | 0.18 | 0.55 | 0.83 | 0.88 | | | | | | | | | | |
| Do | 10 | 5:44 p. m. | 7:10 p. m. | 0.51 | 5:45 p. m. | 6:06 p. m. | 0.01 | 0.14 | 0.29 | 0.38 | 0.43 | | | | | | | | | | |
| Do | 14 | 9:40 a. m. | 1:35 p. m. | 1.70 | § 9:47 a. m. | 10:23 a. m. | 0.01 | 0.08 | 0.12 | 0.15 | 0.20 | 0.33 | 0.51 | 0.60 | | | | | | | |
| | | | | | ‖11:15 a. m. | 12:04 p. m. | 0.95 | 0.06 | 0.09 | 0.23 | 0.30 | 0.38 | 0.41 | 0.44 | 0.51 | 0.62 | 0.70 | | | | |
| Rapid City, S. Dak | 22 | | | 0.35 | | | | | | | | | | | | | | 0.33 | | | |
| Red Bluff, Cal | 16 | | | 0.10 | | | | | | | | | | | | | | * | | | |
| Reno, Nev | 14 | | | 0.05 | | | | | | | | | | | | | | 0.04 | | | |
| Richmond, Va | 14 | | | 1.58 | | | | | | | | | | | | | | 0.62 | | | |
| Rochester, N. Y | 5 | | | 0.57 | | | | | | | | | | | | | | 0.26 | | | |
| Roseburg, Oreg | 10–11 | | | 0.48 | | | | | | | | | | | | | | * | | | |
| Roswell, N. Mex | 3 | | | 0.31 | | | | | | | | | | | | | | 0.16 | | | |
| Sacramento, Cal | 10 | | | T. | | | | | | | | | | | | | | T. | | | |
| St. Louis, Mo | 27 | 10:35 a. m. | 10:57 a. m. | 0.52 | 10:42 a. m. | 10:53 a. m. | 0.01 | 0.30 | 0.49 | 0.51 | | | | | | | | | | | |
| St. Paul, Minn | 5 | | | 0.33 | | | | | | | | | | | | | | 0.27 | | | |
| Salt Lake City, Utah | 17 | | | 0.16 | | | | | | | | | | | | | | 0.14 | | | |
| San Antonio, Tex | 4 | | | 0.34 | | | | | | | | | | | | | | * | | | |
| San Diego, Cal | ‡ | | | | | | | | | | | | | | | | | | | | |
| Sandusky, Ohio | 2 | | | 0.42 | | | | | | | | | | | | | | 0.26 | | | |
| San Francisco, Cal | 13 | | | 0.02 | | | | | | | | | | | | | | 0.02 | | | |
| San Jose, Cal | 13 | | | 0.02 | | | | | | | | | | | | | | 0.02 | | | |
| San Luis Obispo, Cal | ‡ | | | | | | | | | | | | | | | | | | | | |
| Santa Fe, N. Mex | 26 | | | 0.19 | | | | | | | | | | | | | | 0.13 | | | |
| Sault Ste. Marie, Mich | 1 | | | 0.25 | | | | | | | | | | | | | | 0.10 | | | |
| Savannah, Ga | 7 | 6:20 a. m. | 9:20 a. m. | 0.79 | 7:38 a. m. | 8:53 a. m. | 0.16 | 0.26 | 0.45 | 0.58 | | | | | | | | | | | |
| Do | 9 | 4:25 p. m. | 6:30 p. m. | 0.96 | 5:12 p. m. | 5:37 p. m. | 0.06 | 0.12 | 0.43 | 0.67 | 0.75 | 0.80 | | | | | | | | | |
| Do | 24 | 3:36 p. m. | 6:25 p. m. | 0.74 | 4:03 p. m. | 4:18 p. m. | 0.03 | 0.18 | 0.43 | 0.53 | | | | | | | | | | | |
| Scranton, Pa | 27–28 | 4:02 p. m. | D. N. | 0.81 | 6:23 p. m. | 6:28 p. m. | 0.35 | 0.26 | | | | | | | | | | | | | |
| Seattle, Wash | 11 | | | 0.21 | | | | | | | | | | | | | | 0.09 | | | |
| Sheridan, Wyo | 13 | | | 0.20 | | | | | | | | | | | | | | 0.17 | | | |
| Shreveport, La | 9 | 7:40 p. m. | 9:50 p. m. | 2.30 | 7:52 p. m. | 9:42 p. m. | 0.02 | 0.14 | 0.38 | 0.56 | 0.64 | 0.65 | 0.65 | 0.65 | 0.65 | 0.67 | 0.70 | 0.94 | 1.50 | 2.07 | 2.28 |
| Do | 27 | 3:30 a. m. | 10:25 a. m. | 1.25 | 6:14 a. m. | 6:30 a. m. | 0.23 | 0.11 | 0.40 | 0.52 | 0.53 | | | | | | | | | | |
| Sioux City, Iowa | 8 | | | 0.70 | | | | | | | | | | | | | | 0.44 | | | |
| Southeast Farallon, Cal | 10 | | | 0.02 | | | | | | | | | | | | | | 0.01 | | | |
| Spokane, Wash | 16 | | | 0.09 | | | | | | | | | | | | | | 0.07 | | | |
| Springfield, Ill | 25 | 6:00 p. m. | 7:20 p. m. | 1.59 | 6:13 p. m. | 6:56 p. m. | 0.01 | 0.24 | 0.45 | 0.67 | 0.87 | 1.07 | 1.16 | 1.30 | 1.47 | 1.57 | | | | | |
| Do | 26 | 5:45 p. m. | 7:40 p. m. | 1.01 | 6:19 p. m. | 6:59 p. m. | 0.04 | 0.18 | 0.34 | 0.42 | 0.52 | 0.59 | 0.64 | 0.74 | 0.89 | | | | | | |
| Springfield, Mo | 8 | | | 1.10 | | | | | | | | | | | | | | 0.54 | | | |
| Syracuse, N. Y | 5 | | | 1.23 | | | | | | | | | | | | | | 0.41 | | | |
| Tacoma, Wash | 10–11 | | | 0.34 | | | | | | | | | | | | | | 0.12 | | | |
| Tampa, Fla | 12 | 2:09 p. m. | 8:20 p. m. | 2.07 | 3:16 p. m. | 3:50 p. m. | 0.37 | 0.26 | 0.31 | 0.43 | 0.49 | 0.53 | 0.62 | | | | | | | | |
| Do | 28–29 | 4:55 p. m. | 10:00 a. m. | 4.40 | 3:43 a. m. | 4:42 a. m. | 1.16 | 0.08 | 0.20 | 0.31 | 0.37 | 0.44 | 0.46 | 0.57 | 0.79 | 1.14 | 1.50 | 1.87 | | | |
| Tatoosh Island, Wash | 29 | | | 0.12 | | | | | | | | | | | | | | 0.12 | | | |
| Taylor, Tex | 4 | 6:58 p. m. | 9:25 p. m. | 0.66 | 7:14 p. m. | 7:38 p. m. | T. | 0.14 | 0.27 | 0.36 | 0.44 | 0.49 | | | | | | | | | |
| Thomasville, Ga | 12–13 | 7:04 a. m. | 12:05 p. m. | 2.89 | 4:57 p. m. | 5:32 p. m. | 0.93 | 0.06 | 0.07 | 0.14 | 0.28 | 0.50 | 0.67 | 0.72 | | | | | | | |
| Do | 21 | 4:42 p. m. | 7:30 p. m. | 1.22 | 4:59 p. m. | 5:33 p. m. | 0.03 | 0.08 | 0.18 | 0.29 | 0.48 | 0.58 | 0.66 | 0.71 | | | | | | | |
| Do | 25 | 3:05 p. m. | 6:15 p. m. | 1.15 | 4:21 p. m. | 5:03 p. m. | 0.19 | 0.14 | 0.32 | 0.35 | 0.35 | 0.36 | 0.54 | 0.70 | 0.79 | 0.80 | | | | | |
| Do | 30 | 7:30 p. m. | 10:30 p. m. | 2.00 | 8:35 p. m. | 9:20 p. m. | 0.04 | 0.05 | 0.23 | 0.52 | 0.73 | 0.82 | 0.91 | 1.12 | 1.34 | 1.67 | 1.76 | 1.77 | | | |
| Toledo, Ohio | 2 | | | 0.39 | | | | | | | | | | | | | | 0.16 | | | |
| Tonopah, Nev | ‡ | | | | | | | | | | | | | | | | | | | | |
| Topeka, Kans | 8 | | | 0.69 | | | | | | | | | | | | | | 0.39 | | | |
| Valentine, Nebr | 24 | | | 1.93 | | | | | | | | | | | | | | 0.64 | | | |
| Vicksburg, Miss | 9–10 | 10:02 p. m. | 12:30 a. m. | 0.96 | 10:07 p. m. | 10:33 p. m. | 0.02 | 0.08 | 0.18 | 0.47 | 0.65 | 0.71 | 0.76 | | | | | | | | |
| Walla Walla, Wash | 16 | | | 0.52 | | | | | | | | | | | | | | 0.23 | | | |
| Washington, D. C | 27 | 9:00 p. m. | 10:09 p. m. | 0.75 | 9:06 p. m. | 9:26 p. m. | 0.01 | 0.18 | 0.36 | 0.54 | 0.62 | | | | | | | | | | |
| Wichita, Kans | 7 | 3:45 a. m. | 11:00 a. m. | 1.19 | 8:43 a. m. | 8:57 a. m. | 0.64 | 0.13 | 0.29 | 0.38 | | | | | | | | | | | |
| Williston, N. Dak | 9 | | | 0.39 | | | | | | | | | | | | | | 0.37 | | | |
| Wilmington, N. C | 6 | D. N. | 12:35 p. m. | 1.63 | 1:09 a. m. | 1:25 a. m. | 0.01 | 0.06 | 0.37 | 0.58 | | | | | | | | | | | |
| Do | 12–13 | 10:25 a. m. | D. N. | 2.42 | 12:36 p. m. | 1:11 p. m. | 0.27 | 0.17 | 0.31 | 0.35 | 0.41 | 0.45 | 0.53 | 0.61 | | | | | | | |
| Winnemucca, Nev | 14 | | | 0.09 | | | | | | | | | | | | | | 0.07 | | | |
| Wytheville, Va | 10 | | | 0.78 | | | | | | | | | | | | | | 0.30 | | | |
| Yankton, S. Dak | 8 | 8:20 p. m. | 9:10 p. m. | 0.64 | 8:30 p. m. | 8:45 p. m. | 0.01 | 0.07 | 0.33 | 0.58 | | | | | | | | | | | |
| Yellowstone Park, Wyo | 6 | | | 0.12 | | | | | | | | | | | | | | 0.12 | | | |

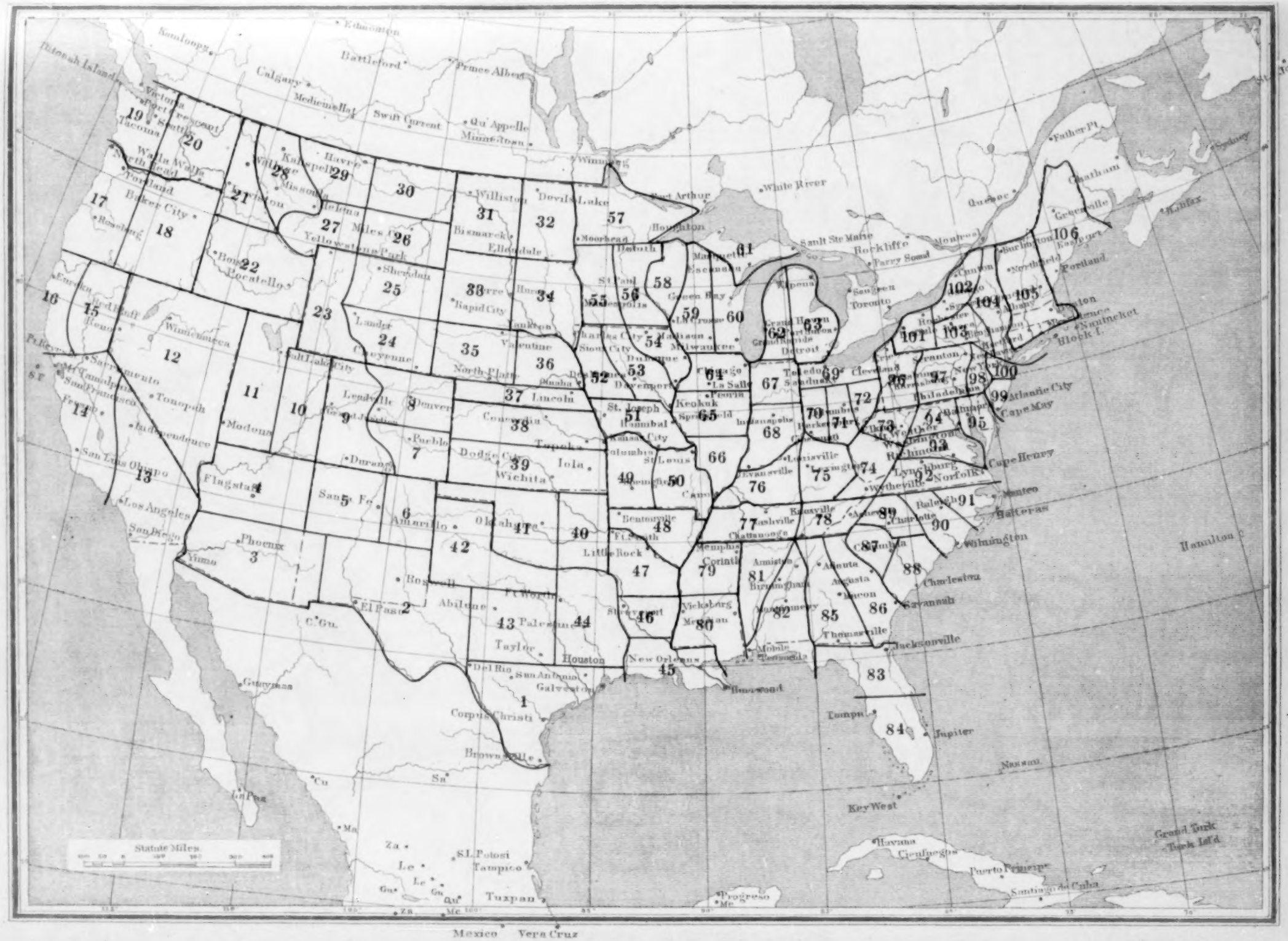
* Self-register not working. † Partly estimated. ‡ No date on which a measurable amount occurred.

TABLE III.—*Data furnished by the Canadian Meteorological Service, June, 1910.*

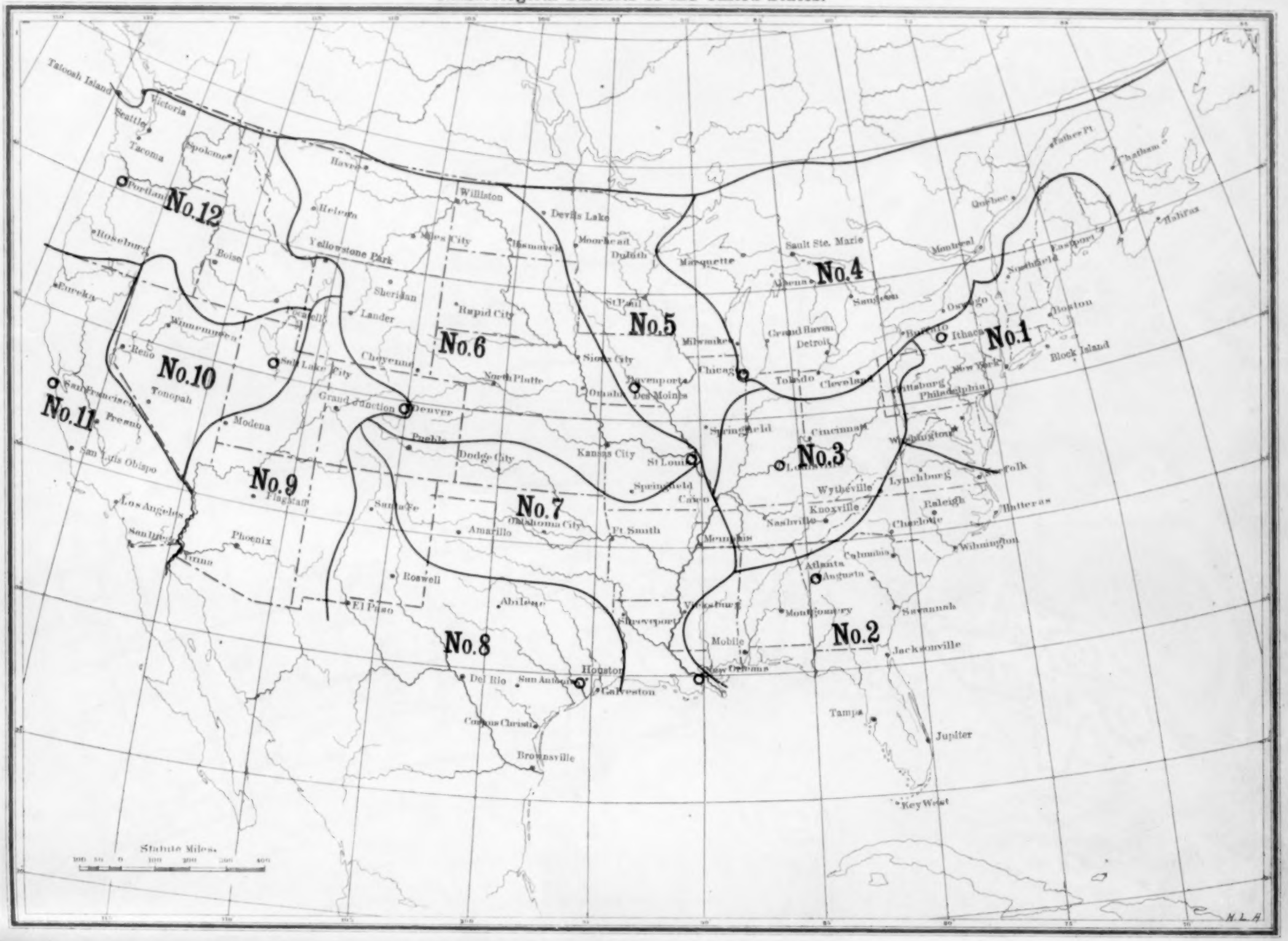
| Stations | Pressure. | | | Temperature. | | | | Precipitation. | | | Stations. | Pressure. | | | Temperature. | | | | Precipitation. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Actual, reduced to mean of 24 hours. | Sea level, reduced to mean of 24 hours. | Departure from normal. | Mean. | Departure from normal. | Mean maximum. | Mean minimum. | Total. | Departure from normal. | Total snowfall. | | Actual, reduced to mean of 24 hours. | Sea level, reduced to mean of 24 hours. | Departure from normal. | Mean. | Departure from normal. | Mean maximum. | Mean minimum. | Total. | Departure from normal. | Total snowfall. |
| | *Ins.* | *Ins.* | *Ins.* | ° | ° | ° | ° | *Ins.* | *Ins.* | *Ins.* | | *Ins.* | *Ins.* | *Ins.* | ° | ° | ° | ° | *Ins.* | *Ins.* | *Ins.* |
| St. Johns, N. F. | 29.71 | 29.85 | −.06 | 51.6 | 0.0 | 59.6 | 43.7 | 5.34 | +1.74 | ..... | Parry Sound, Ont. | 29.27 | 29.95 | −.01 | 61.5 | − 0.2 | 72.8 | 50.2 | 1.43 | −0.99 | .... |
| Sydney, C. B. I. | 29.82 | 29.86 | −.09 | 55.0 | − 0.4 | 63.4 | 46.6 | 3.24 | +0.01 | ..... | Port Arthur, Ont. | 29.29 | 30.00 | +.06 | 62.4 | − 4.0 | 74.1 | 50.8 | 0.54 | −2.19 | .... |
| Halifax, N. S. | 29.81 | 29.91 | −.04 | 56.7 | − 1.0 | 65.4 | 47.9 | 5.07 | +1.31 | ..... | Winnipeg, Man. | 29.12 | 29.93 | +.04 | 68.4 | + 6.2 | 82.0 | 54.8 | 2.38 | −0.91 | .... |
| Grand Manan, N. B. | 29.84 | 29.39 | −.04 | 56.6 | + 0.4 | 63.8 | 49.4 | 8.31 | +5.37 | ..... | Minnedosa, Man. | 28.12 | 29.90 | +.01 | 62.7 | + 3.1 | 78.1 | 51.4 | 2.63 | −0.37 | .... |
| Yarmouth, N. S. | 29.84 | 29.91 | −.04 | 55.4 | + 0.4 | 62.4 | 48.4 | 5.13 | +2.37 | ..... | Qu' Appelle, Assin. | 27.64 | 29.85 | −.02 | 61.1 | + 1.2 | 71.9 | 50.3 | 4.71 | +1.29 | 0.7 |
| Charlottetown, P. E. I. | 29.85 | 29.89 | −.03 | 56.0 | − 1.4 | 63.7 | 48.3 | 4.69 | +2.02 | ..... | Medicine Hat, Alberta. | 27.60 | 29.84 | −.01 | 66.2 | + 4.2 | 80.2 | 52.3 | 0.29 | −2.47 | .... |
| Chatham, N. B. | 29.87 | 29.91 | .00 | 57.6 | − 2.4 | 67.5 | 47.7 | 4.51 | +1.05 | ..... | Swift Current, Sask. | 27.36 | 29.89 | +.02 | 62.2 | + 2.2 | 75.1 | 49.3 | 1.78 | −0.89 | 0.4 |
| Father Point, Que. | 29.84 | 29.89 | −.01 | 52.7 | − 0.3 | 60.5 | 45.0 | 3.02 | +0.04 | ..... | Calgary, Alberta | 26.36 | 29.83 | −.01 | 57.6 | + 1.6 | 72.0 | 43.1 | 1.54 | −0.91 | 6.0 |
| Quebec, Que. | 29.56 | 29.86 | −.04 | 59.5 | − 1.7 | 68.2 | 50.8 | 2.71 | −0.94 | ..... | Banff, Alberta | 25.35 | 29.89 | +.05 | 51.4 | − 0.1 | 64.9 | 37.9 | 2.77 | −0.56 | 0.7 |
| Montreal, Que. | 29.68 | 29.88 | −.06 | 63.7 | − 1.2 | 71.4 | 56.1 | 3.31 | −0.22 | ..... | Edmonton, Alberta | 27.59 | 29.84 | .00 | 58.0 | + 1.1 | 73.4 | 42.6 | 2.72 | −0.14 | T. |
| Stonecliffe, Ont * | 29.30 | 29.88 | −.04 | 59.9 | − 1.7 | 71.6 | 48.1 | 1.50 | −1.66 | ..... | Prince Albert, Sask. | 28.72 | 29.86 | −.01 | 60.4 | + 2.7 | 73.0 | 47.7 | 0.34 | −2.17 | .... |
| Ottawa, Ont. | 29.64 | 29.90 | +.02 | 54.0 | − 1.3 | 73.6 | 54.5 | 1.37 | −1.55 | ..... | Battleford, Sask. | 28.16 | 29.88 | +.02 | 60.5 | + 1.0 | 73.4 | 47.6 | 1.53 | −1.78 | .... |
| Kingston, Ont. | 29.62 | 29.96 | −.04 | 61.1 | − 2.3 | 68.3 | 53.8 | 1.04 | −1.39 | ..... | Kamloops, B. C. | 28.63 | 29.88 | +.01 | 62.4 | − 1.4 | 74.3 | 50.4 | 1.18 | −0.24 | .... |
| Toronto, Ont. | 29.56 | 29.93 | −0.4 | 64.6 | + 1.2 | 75.3 | 53.9 | 1.07 | −1.73 | ..... | Victoria, B. C. | 29.94 | 30.03 | +.02 | 57.0 | + 0.7 | 65.1 | 48.9 | 0.96 | −0.24 | .... |
| White River, Ont. | 29.66 | 29.95 | +.01 | 59.8 | + 1.1 | 76.2 | 43.3 | 0.30 | −1.92 | ..... | Barkerville, B. C. | 25.62 | 29.90 | +.03 | 46.5 | − 4.2 | 56.5 | 36.6 | 3.56 | +0.08 | .... |
| Port Stanley, Ont. | 29.33 | 29497 | .00 | 61.3 | − 2.5 | 71.6 | 51.1 | 1.63 | −1.10 | ..... | Dawson, Yukon | 28.63 | ..... | ..... | 57.0 | ..... | 70.4 | 43.7 | 1.44 | ..... | .... |
| Southampton, Ont. | 29.30 | ..... | ..... | 59.0 | − 1.4 | 68.1 | 50.0 | 1.61 | −0.74 | ..... | Hamilton, Bermuda | 30.02 | 30.18 | +.06 | 72.6 | − 2.4 | 77.4 | 67.8 | 0.88 | −5.07 | .... |

* Name changed from Rockliffe.

# 106 Climatological Sections in the United States.

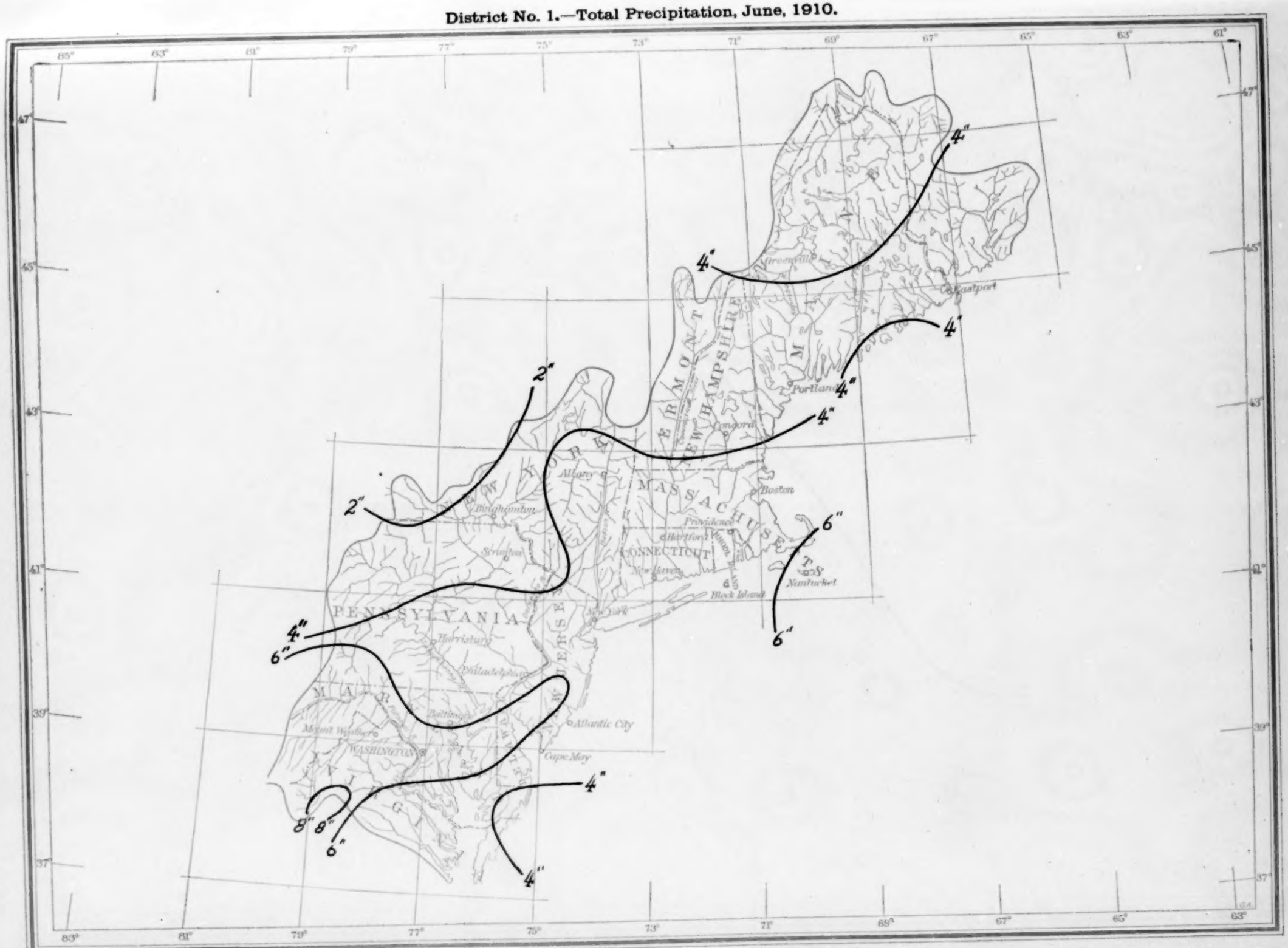


Climatological Districts of the United States.

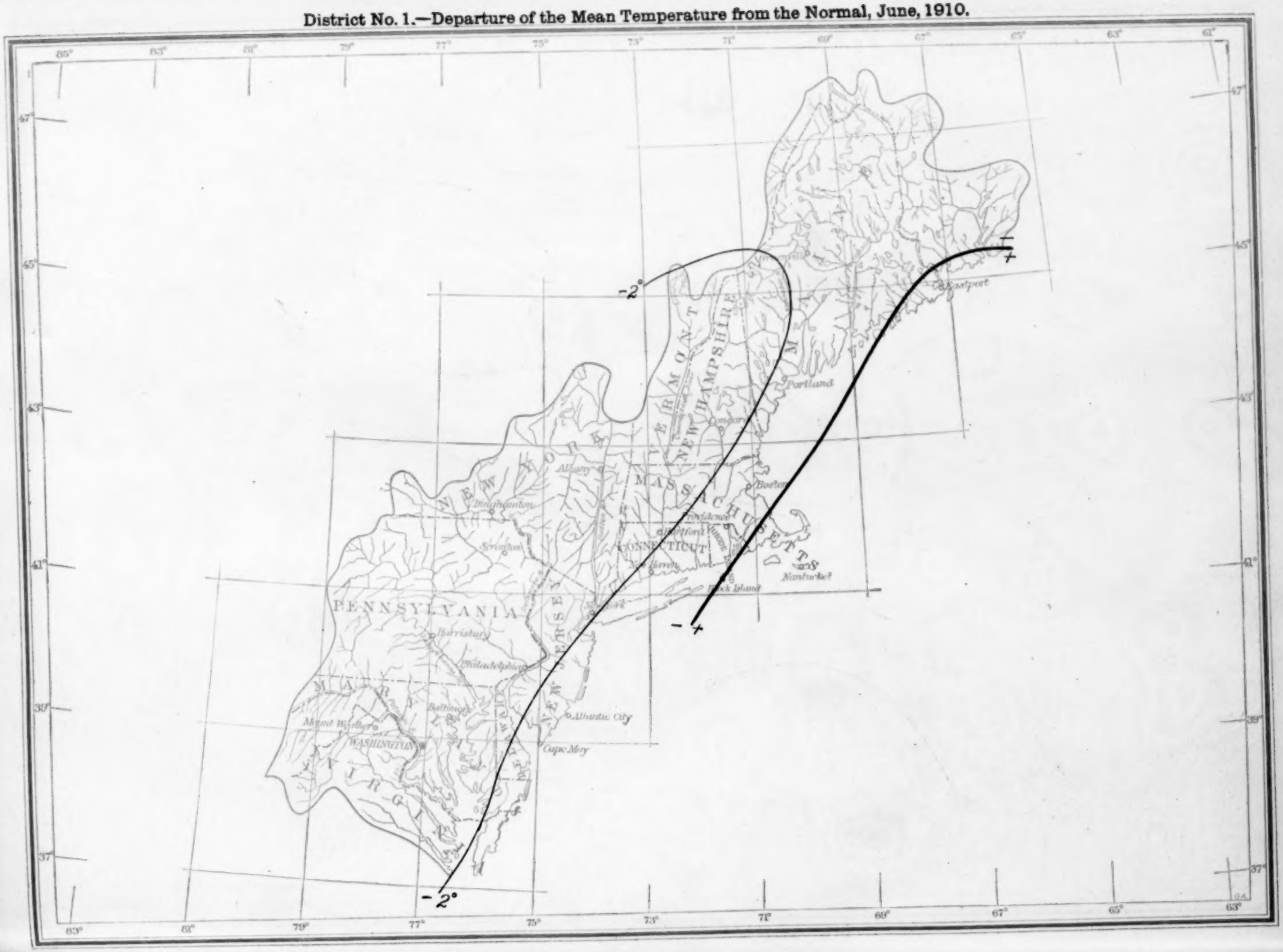



Digital Version: Total Precipitation, June 1910

**District No. 1.—Total Precipitation, June, 1910.**

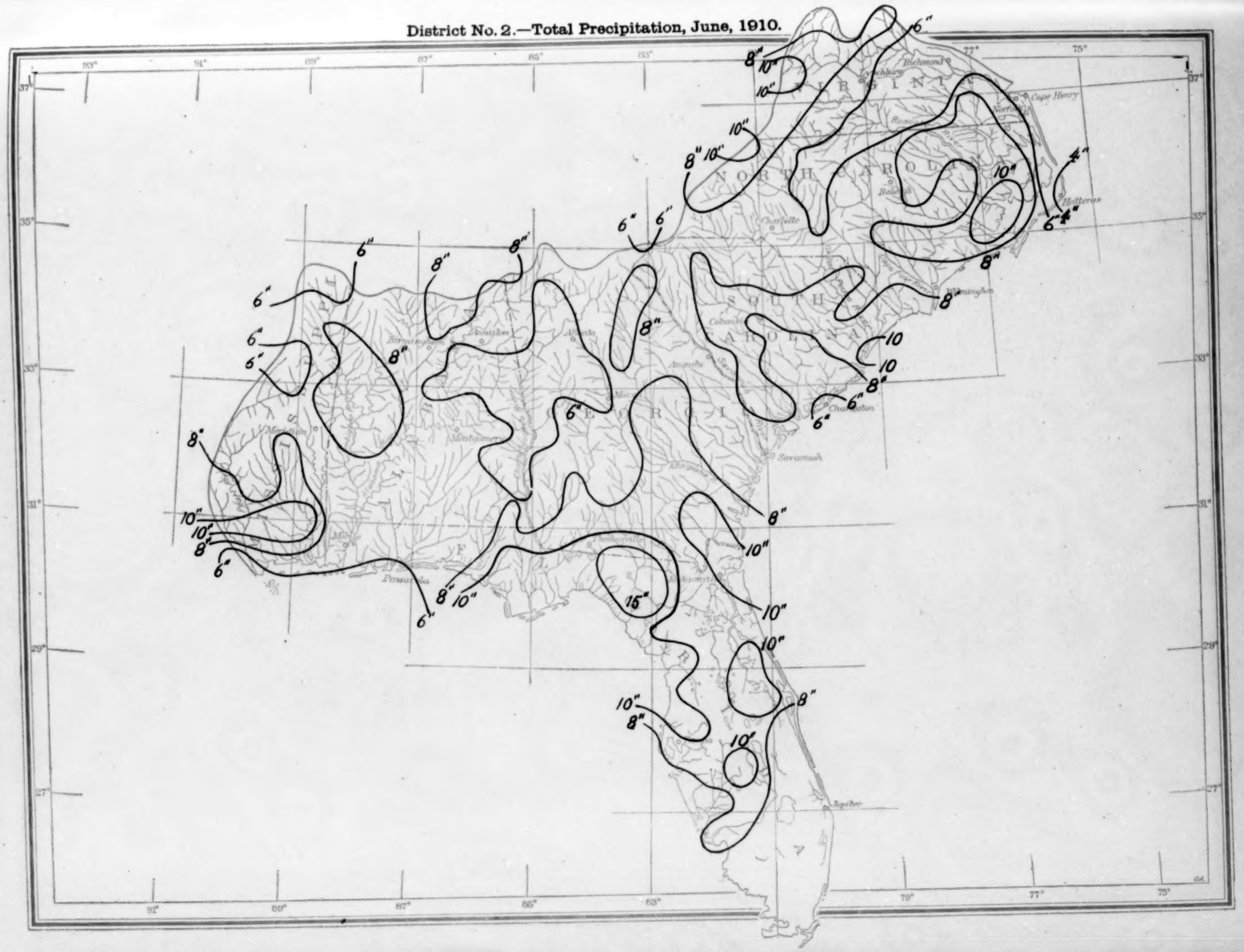


District No. 1.—Departure of the Mean Temperature from the Normal, June, 1910.




District No. 2.—Total Precipitation, June, 1910.

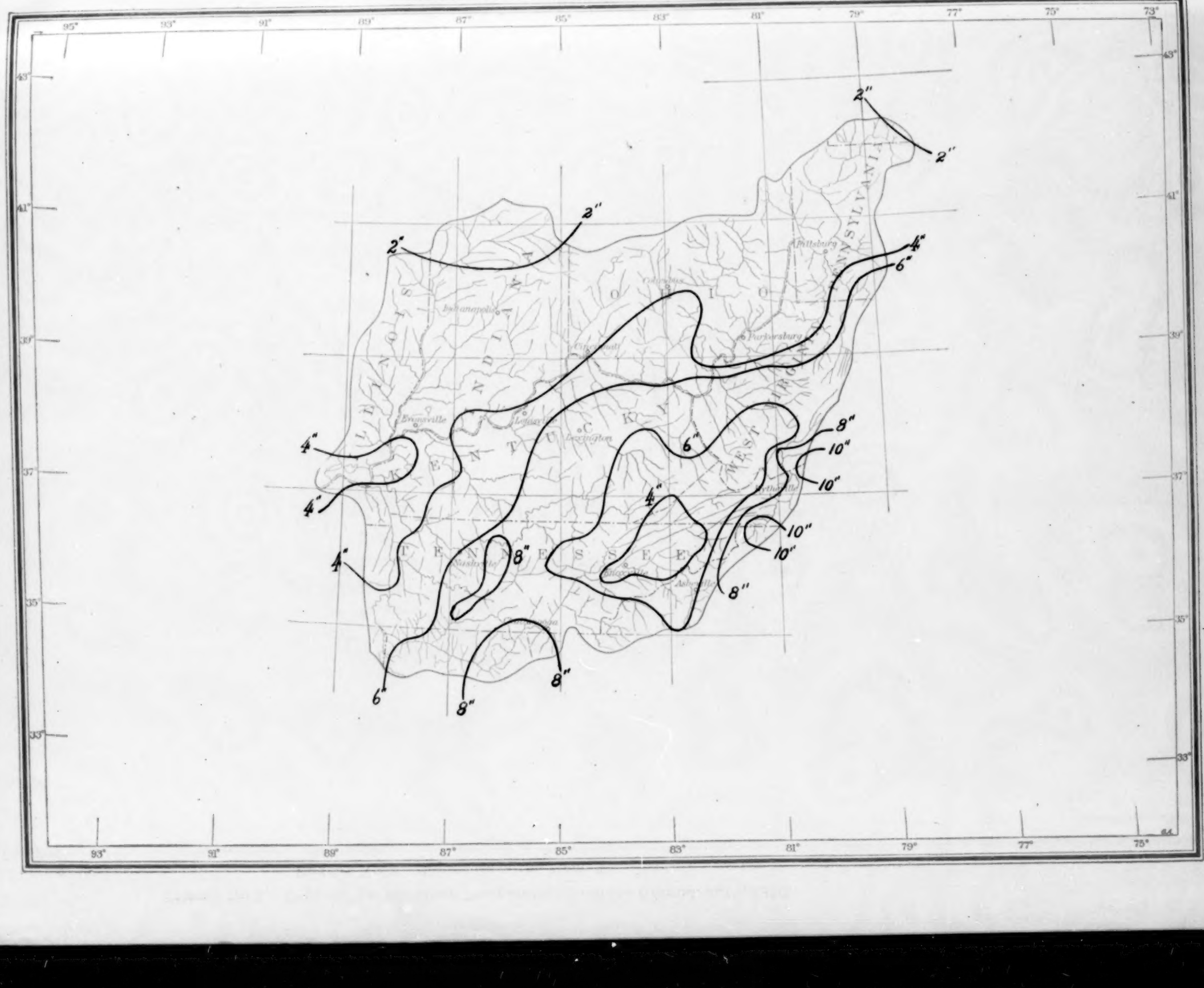
District No. 2.—Total Precipitation, June, 1910.



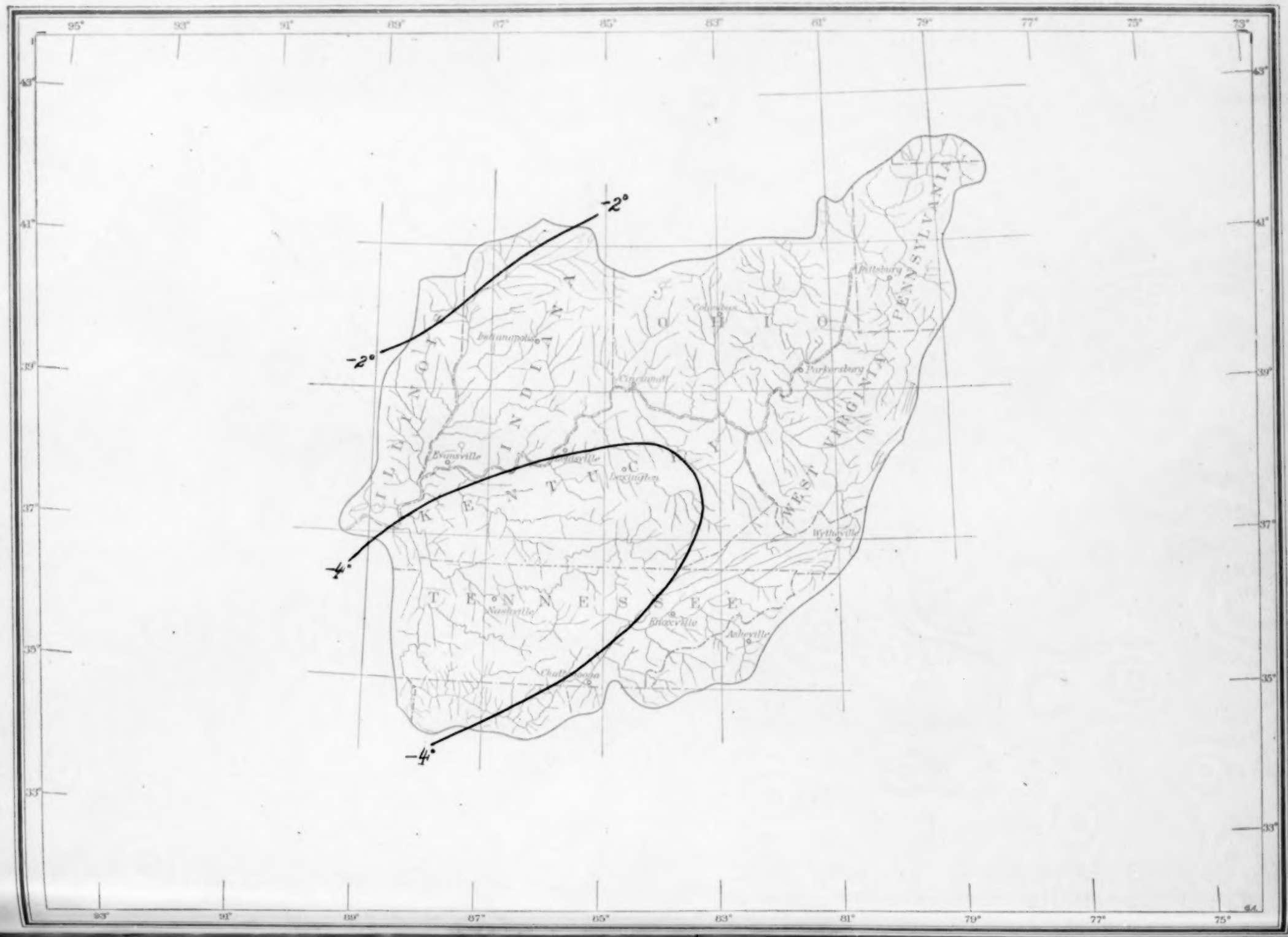
**District No. 2.—Departure of the Mean Temperature from the Normal, June, 1910.**

**District No. 3.—Total Precipitation, June, 1910.**

District No. 3.—Total Precipitation, June, 1910.

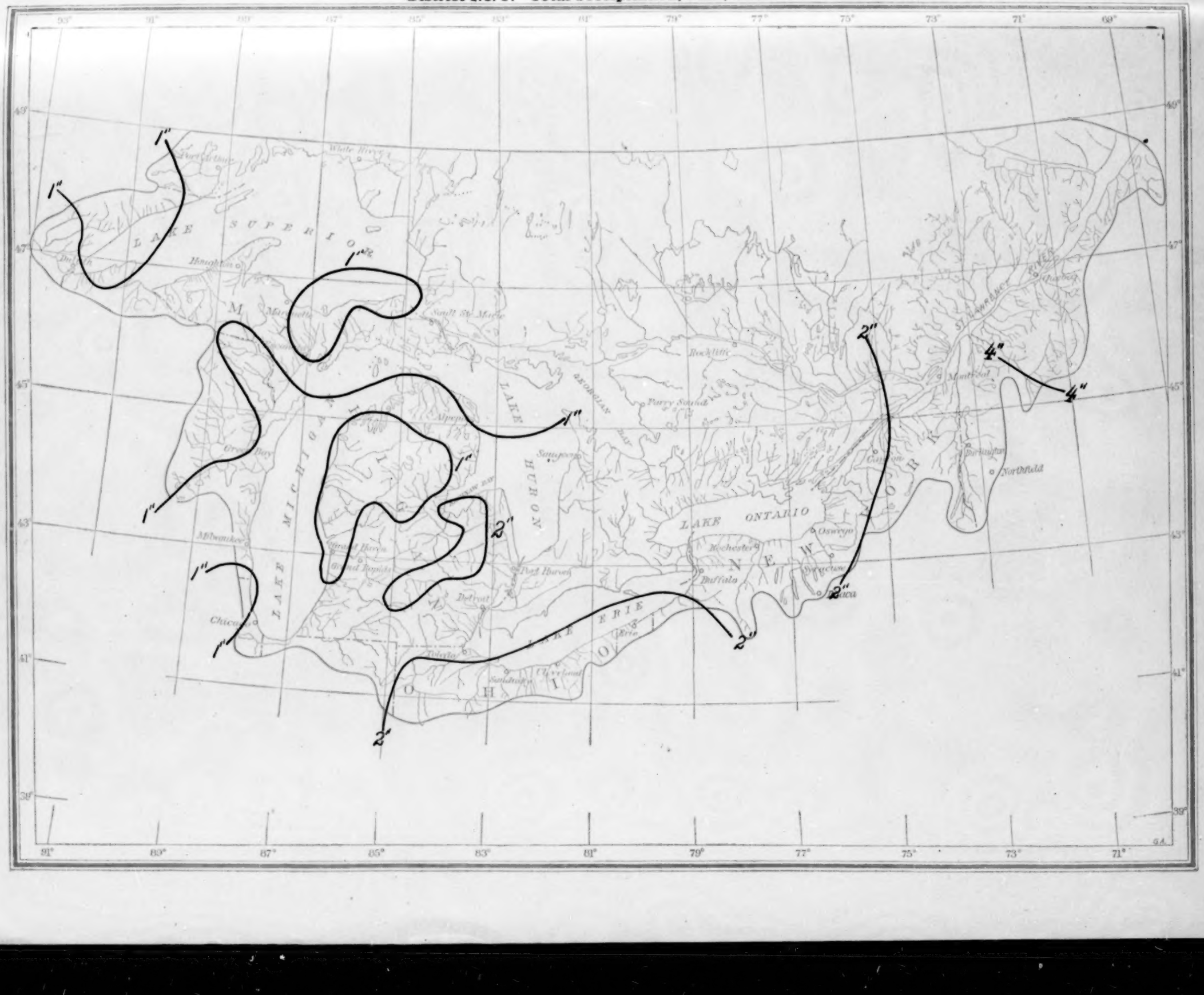

95°
93°
91°
89°
87°
85°
83°
81°
79°
77°
75°
73°
43°
41°
39°
37°
35°
33°
2"
2"
2"
2"
4"
6"
8"
10"
4"
4"
4"
4"
6"
8"
8"
8"
8"
10"
10"
10"
10"
Pittsburg
Columbus
Indianapolis
Parkersburg
Cincinnati
Louisville
Lexington
Bristol
Asheville
Knoxville
Nashville
Memphis
Birmingham
Montgomery
Atlanta
Augusta
Charleston
Jacksonville
Tallahassee
Vicksburg
Shreveport
Galveston
Corpus Christi
Brownsville
Laredo
Del Rio
El Paso
Santa Fe
Albuquerque
Amarillo
Dodge City
Wichita
Oklahoma City
Fort Worth
Abilene
San Antonio
Houston
Port Arthur
New Orleans
Mobile
Pensacola
Key West
Tampa
Miami
Jacksonville
Savannah
Charleston
Wilmington
Norfolk
Richmond
Washington
Baltimore
Philadelphia
Atlantic City
New York
Boston
Portland
Buffalo
Rochester
Albany
Syracuse
Erie
Cleveland
Toledo
Detroit
Grand Rapids
Chicago
Milwaukee
Madison
Green Bay
Duluth
St. Paul
Minneapolis
Huron
Aberdeen
Bismarck
Williston
Miles City
Billings
Helena
Great Falls
Havre
Kalispell
Spokane
Walla Walla
Portland
Pendleton
Baker
Boise
Pocatello
Salt Lake City
Ogden
Grand Junction
Pueblo
Denver
Cheyenne
North Platte
Omaha
Lincoln
Kansas City
St. Joseph
Des Moines
Dubuque
Davenport
Rock Island
Peoria
Springfield
Cairo
Evansville
Indianapolis
Fort Wayne
Toledo
Cleveland
Akron
Youngstown
Pittsburg
Wheeling
Parkersburg
Charleston
Huntington
Ashland
Lexington
Louisville
Bristol
Knoxville
Asheville
Chattanooga
Nashville
Memphis
Little Rock
Fort Smith
Tulsa
Oklahoma City
Amarillo
Dodge City
Wichita
Kansas City
St. Joseph
Omaha
Lincoln
Grand Island
Sioux City

**District No. 3.—Departure of the Mean Temperature from the Normal, June, 1910.**

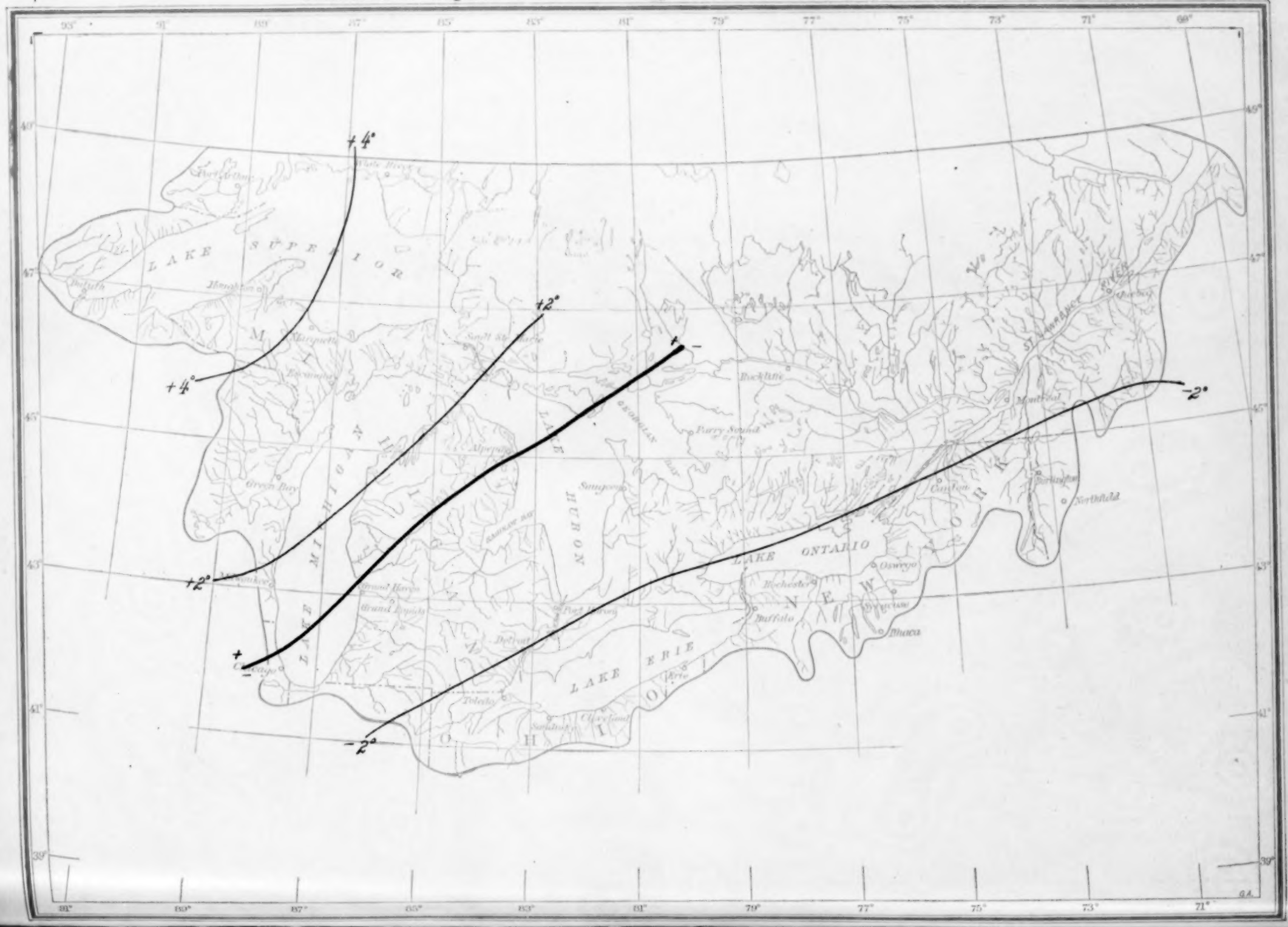



**District No. 4.—Total Precipitation, June, 1910.**

**District No. 4.—Total Precipitation, June, 1910.**

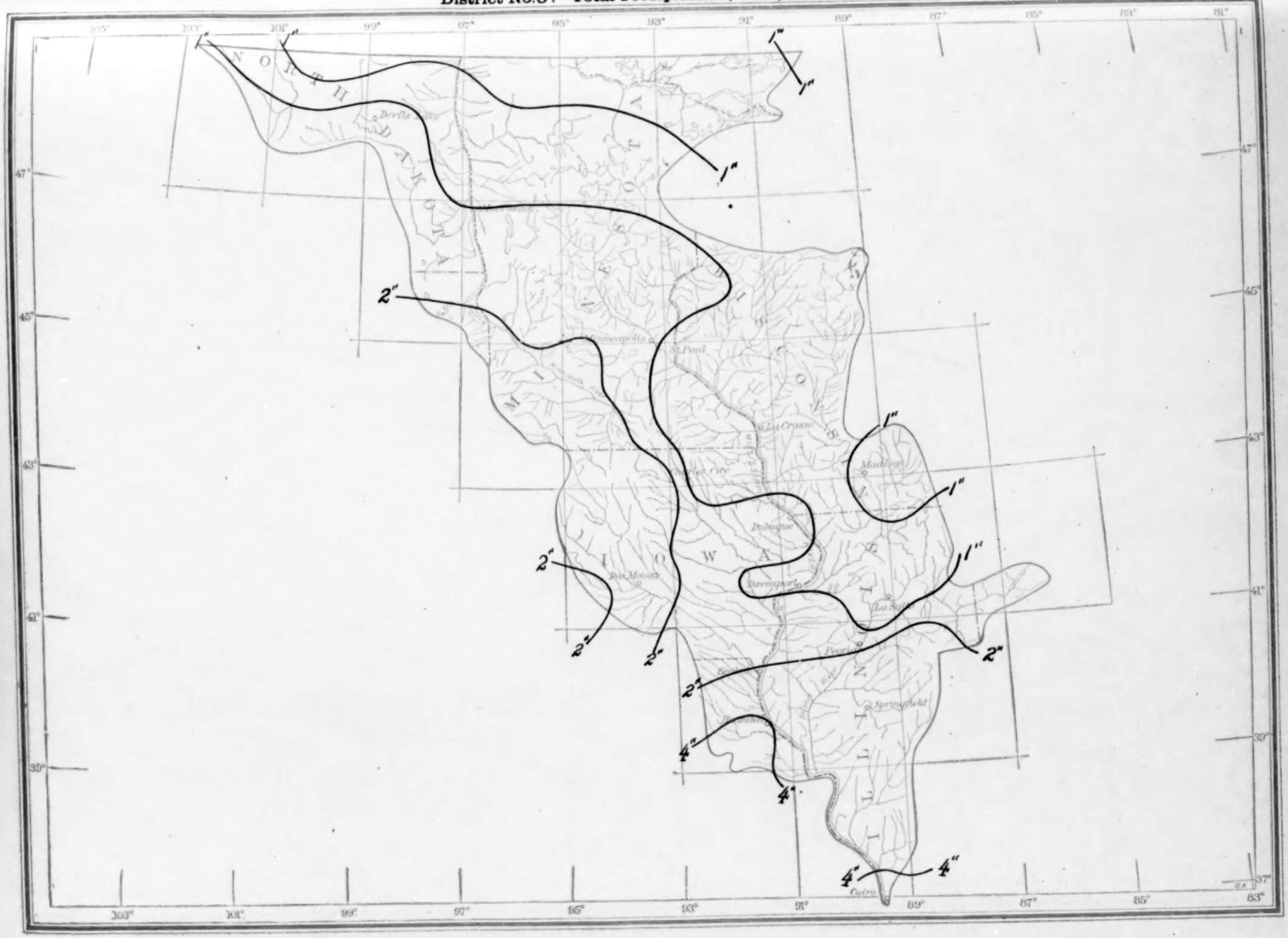


District No 4.—Departure of the Mean Temperature from the Normal, June, 1910.

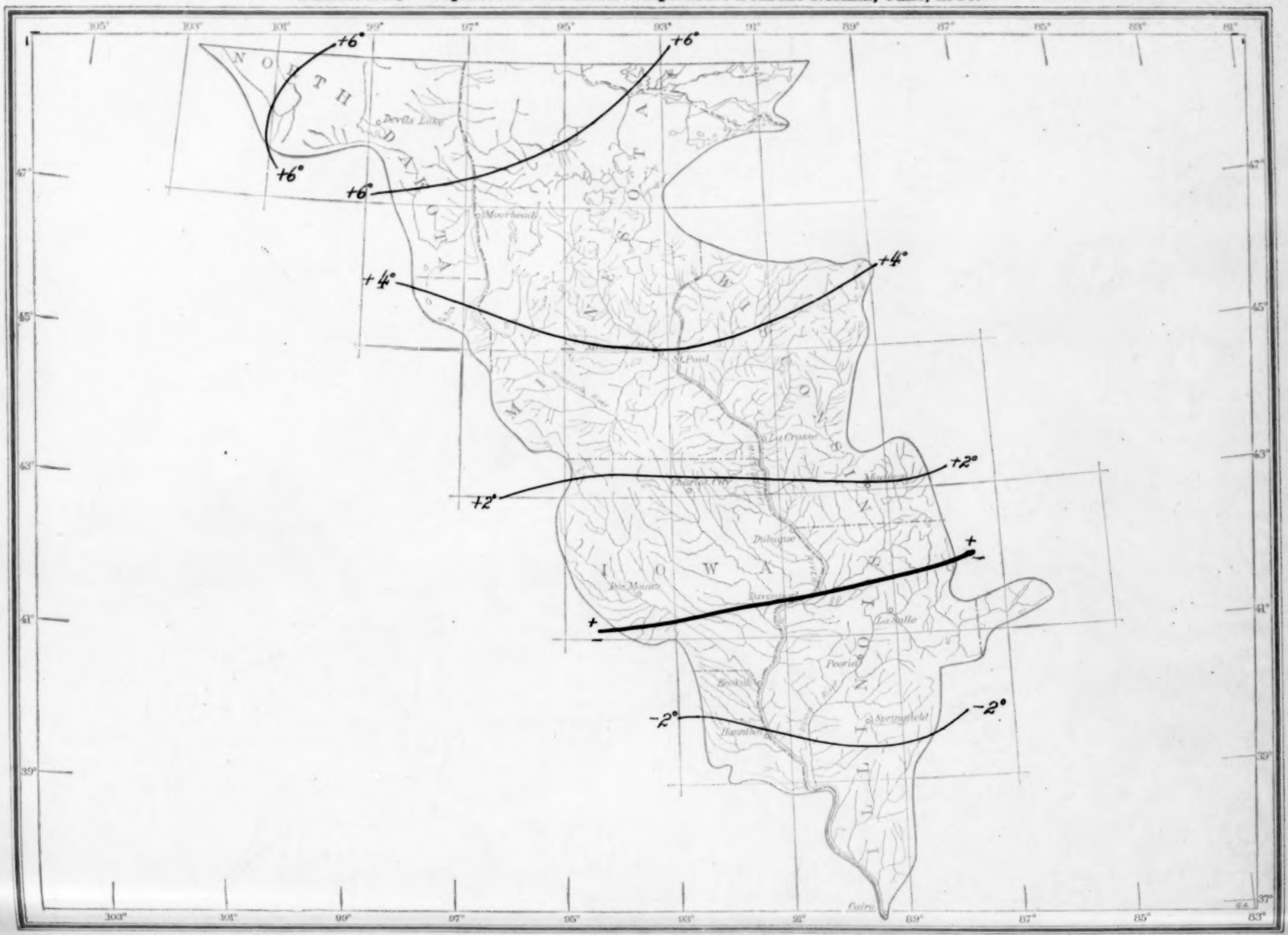



District No.5.—Total Precipitation, June, 1910.

**District No. 5.—Total Precipitation, June, 1910.**

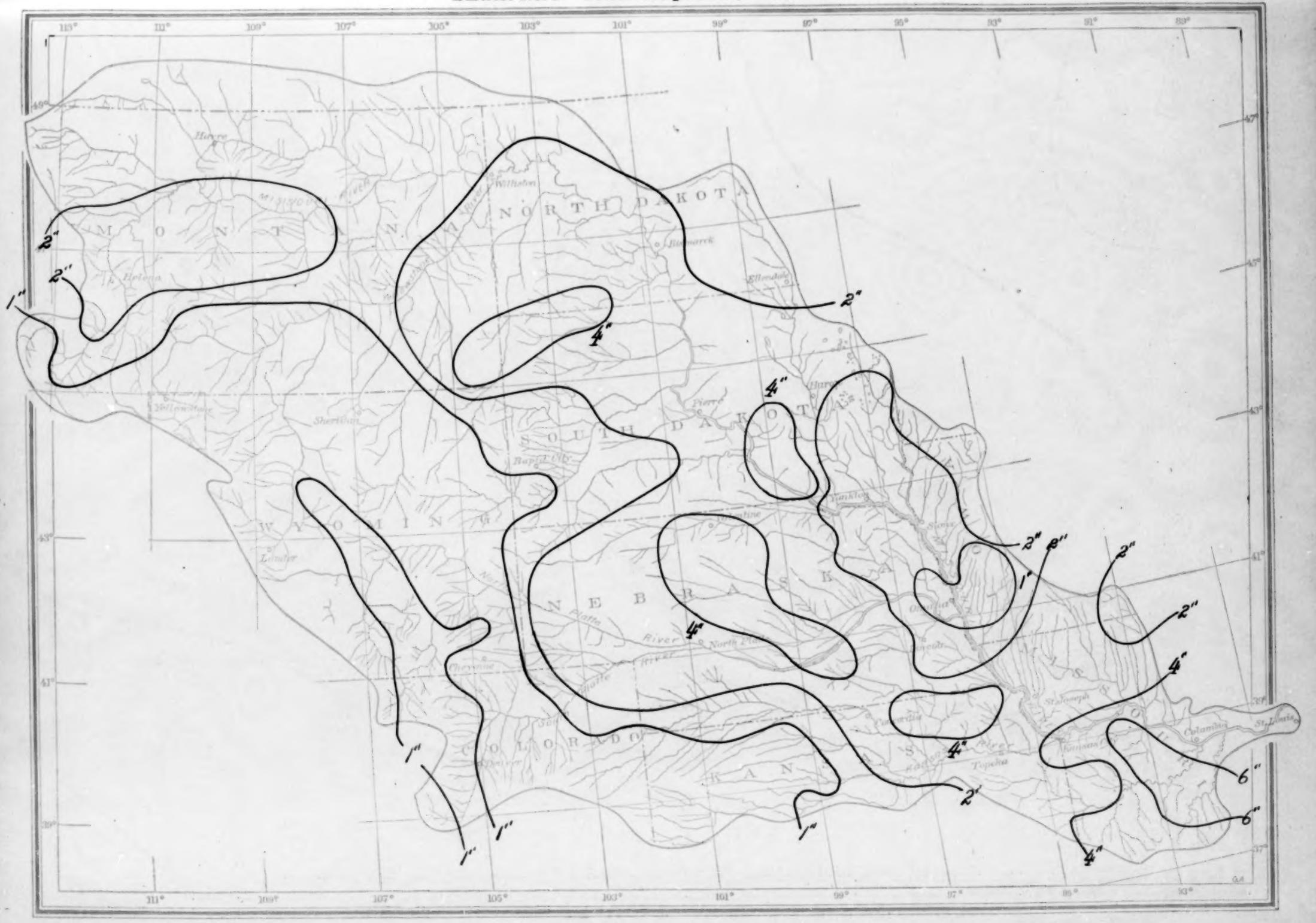


**District No.5.—Departure of the Mean Temperature from the Normal, June, 1910.**

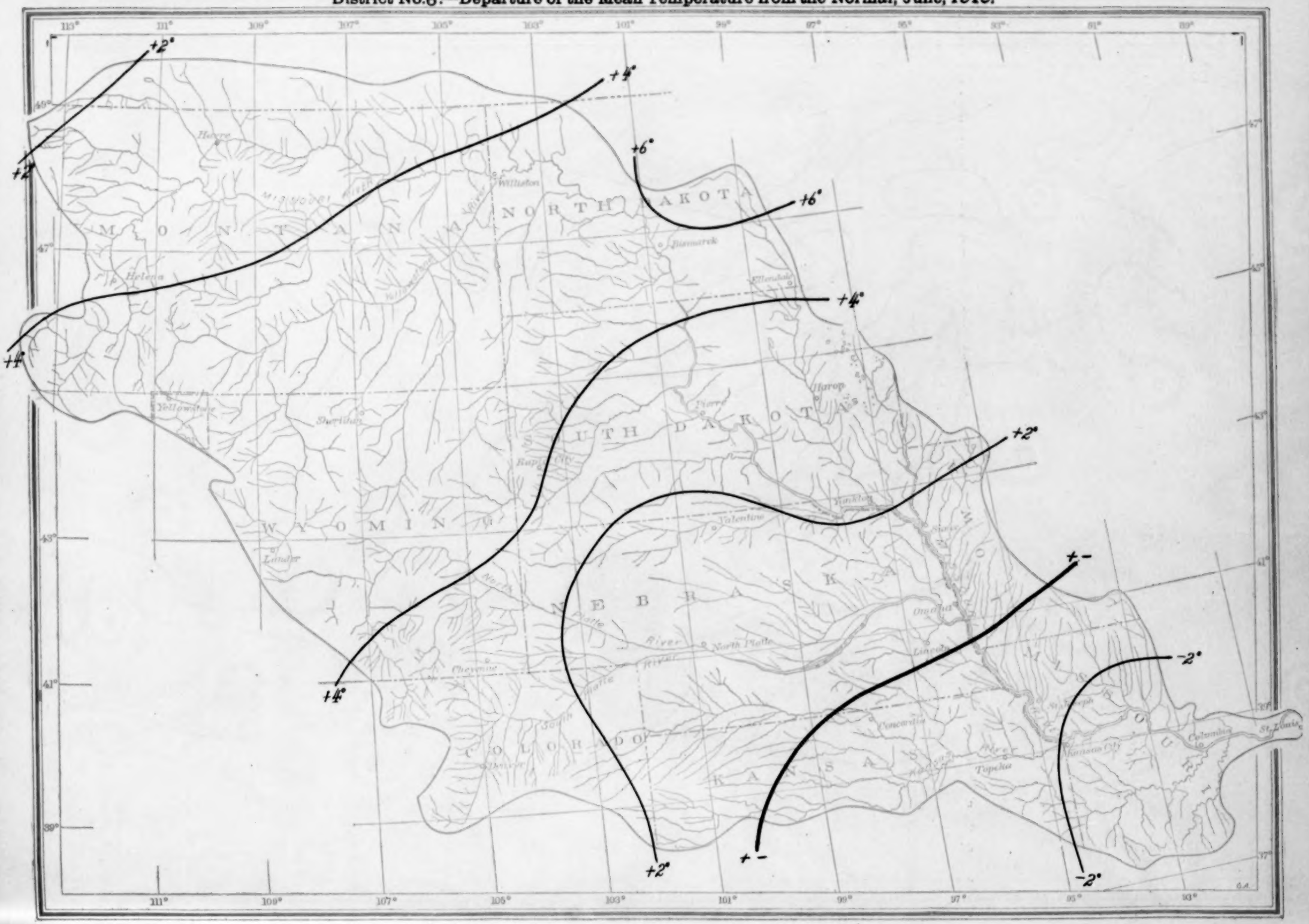



**District No.6.—Total Precipitation, June, 1910.**

## District No. 6.—Total Precipitation, June, 1910.

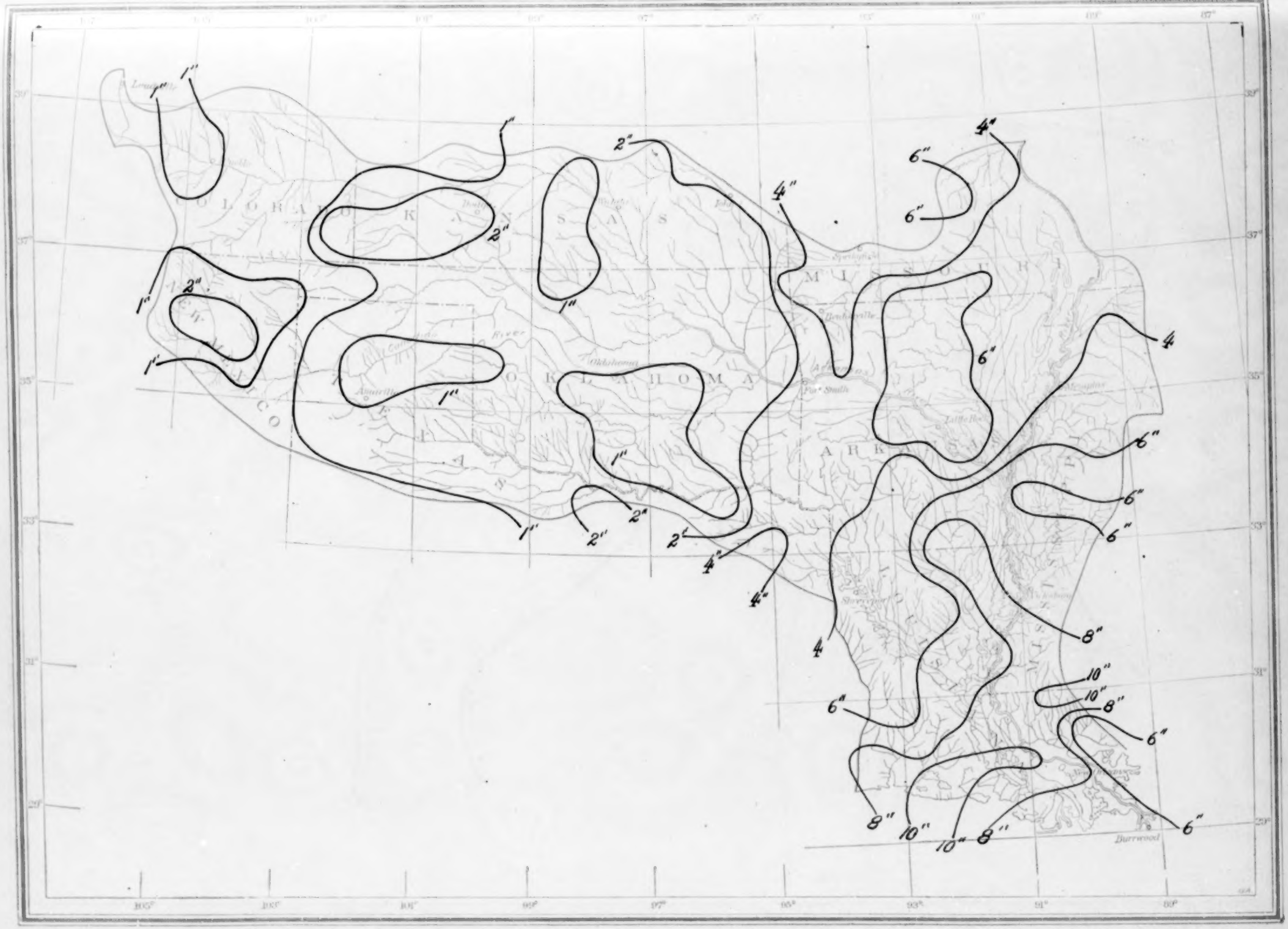


**Distrfct No.6.—Departure of the Mean Temperature from the Normal, June, 1910.**

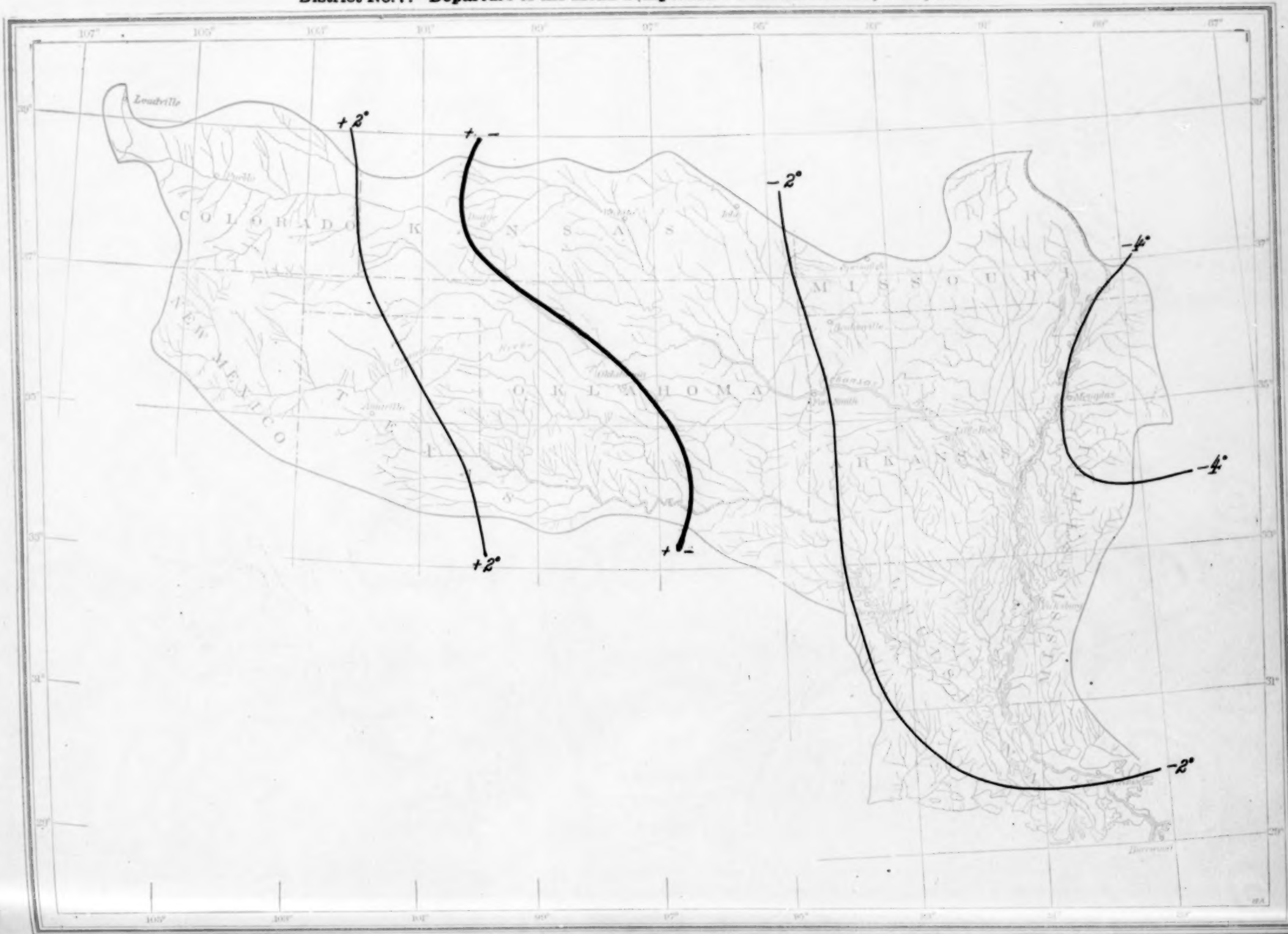



**District No. 7.—Total Precipitation, June, 1910.**

District No. 7.—Total Precipitation, June, 1910.

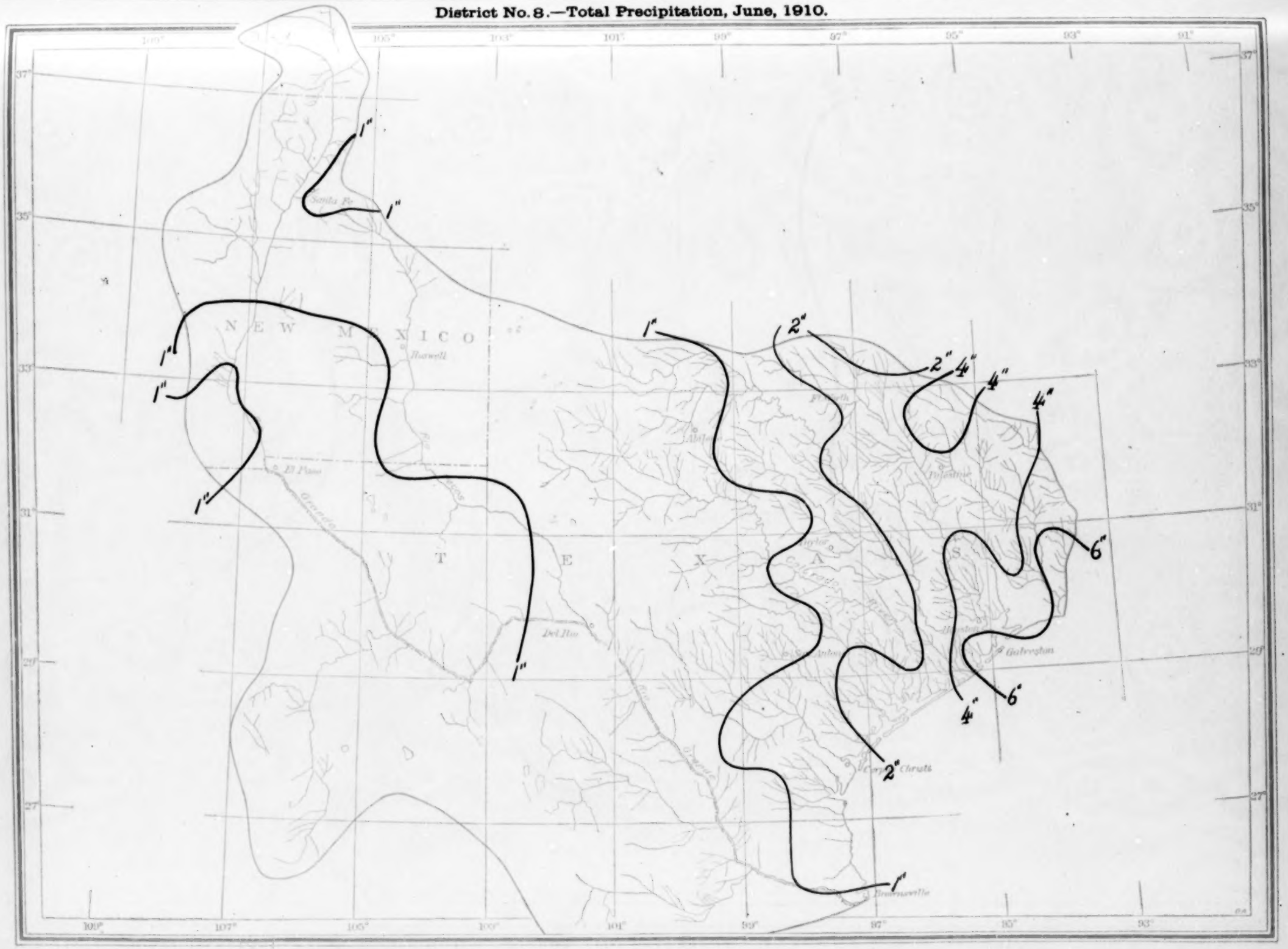


**District No. 7.—Departure of the Mean Temperature from the Normal, June, 1910.**

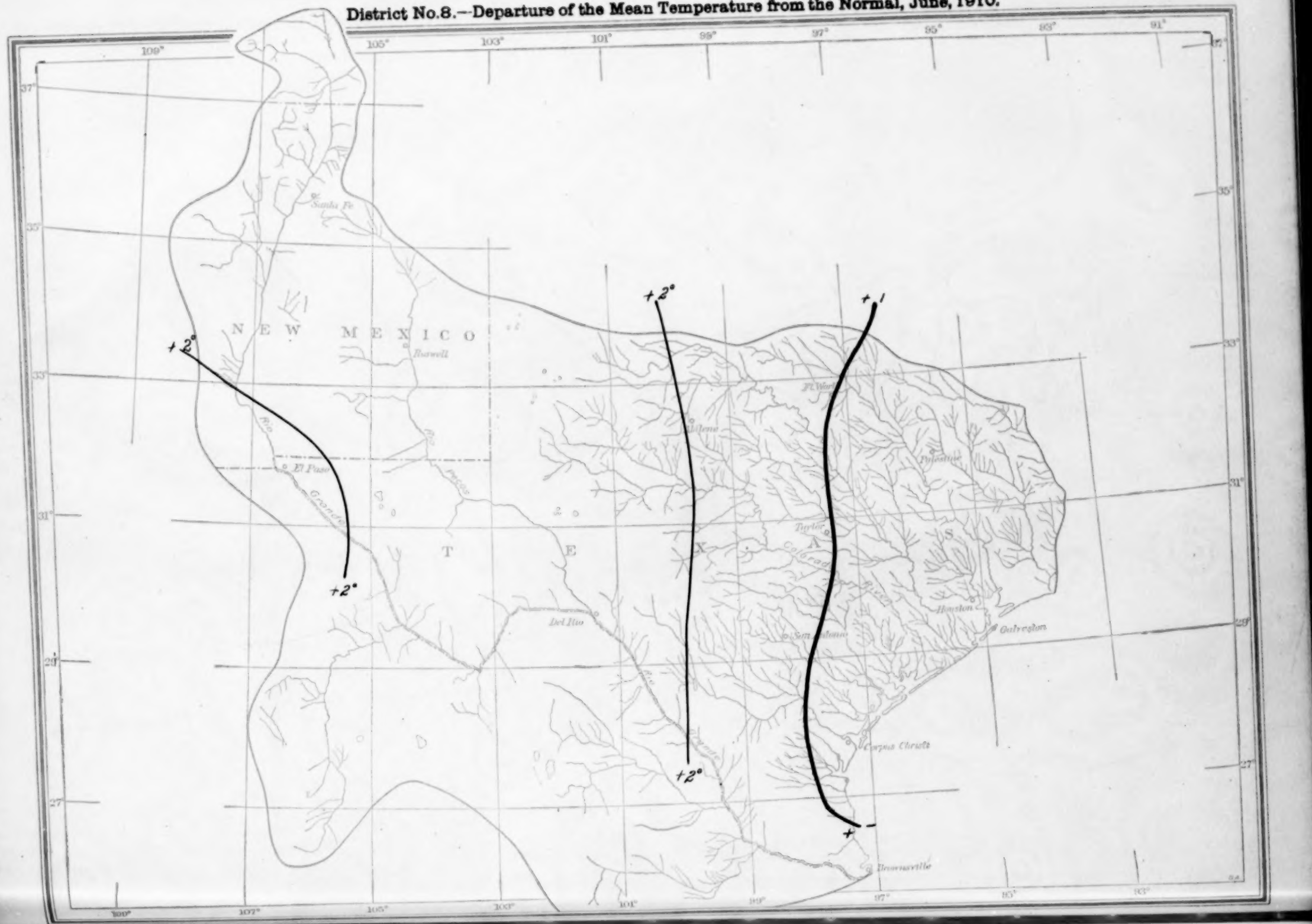



**District No. 8.—Total Precipitation, June, 1910.**

**District No. 8.—Total Precipitation, June, 1910.**

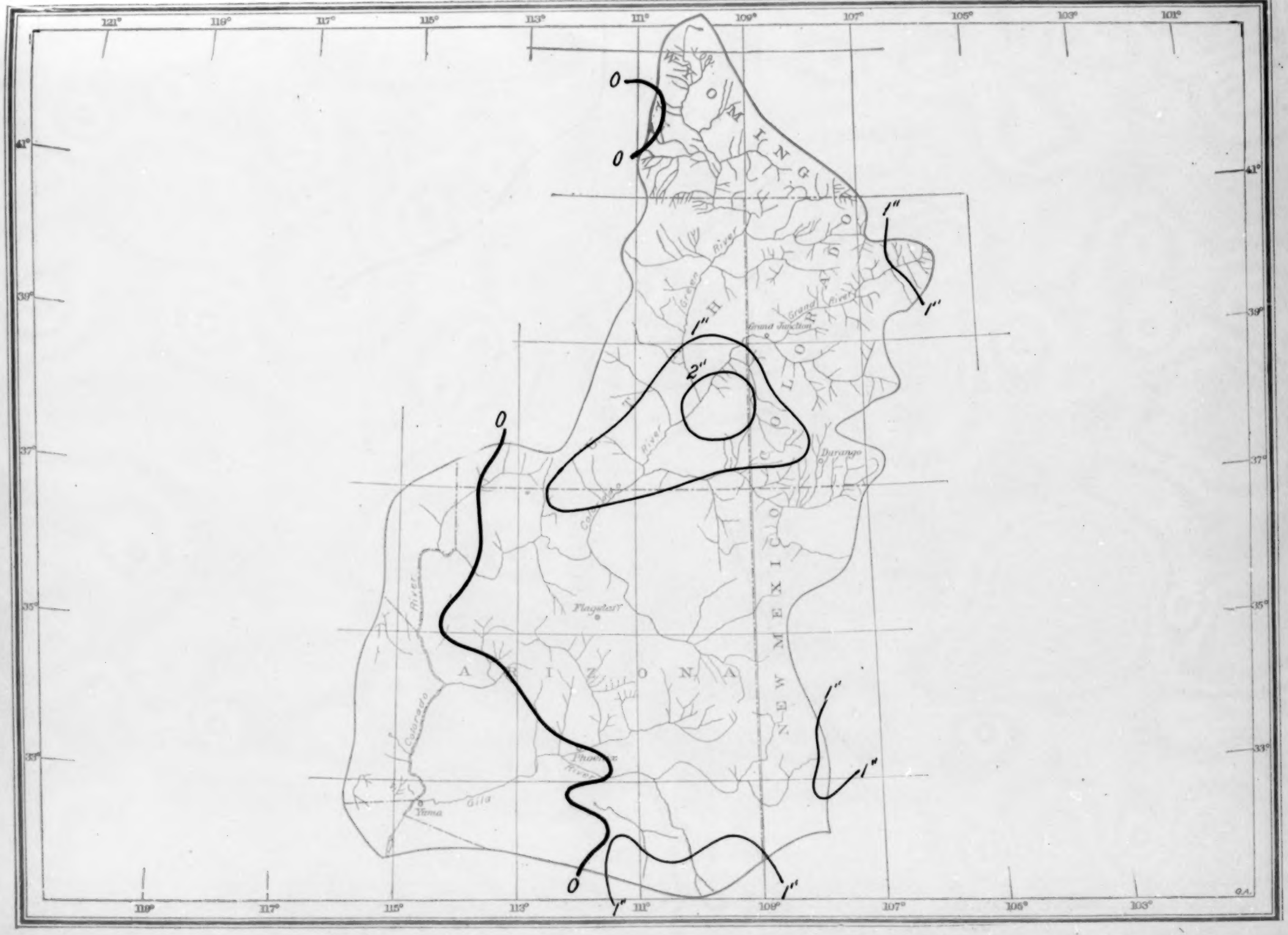


District No.8.--Departure of the Mean Temperature from the Normal, June, 1910.

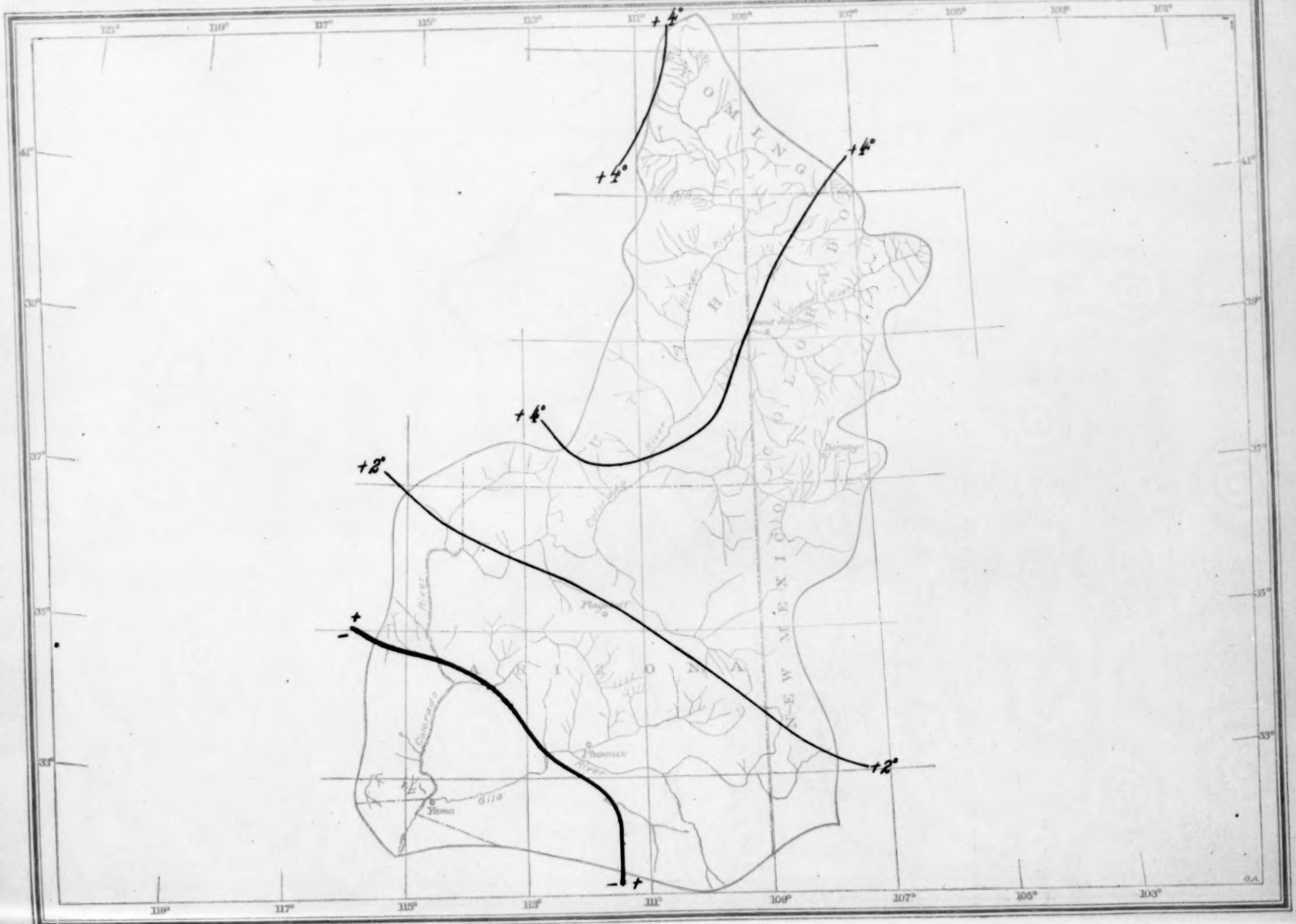



District No.8.--Total Precipitation, June, 1910.

**District No. 9.—Total Precipitation, June, 1910.**

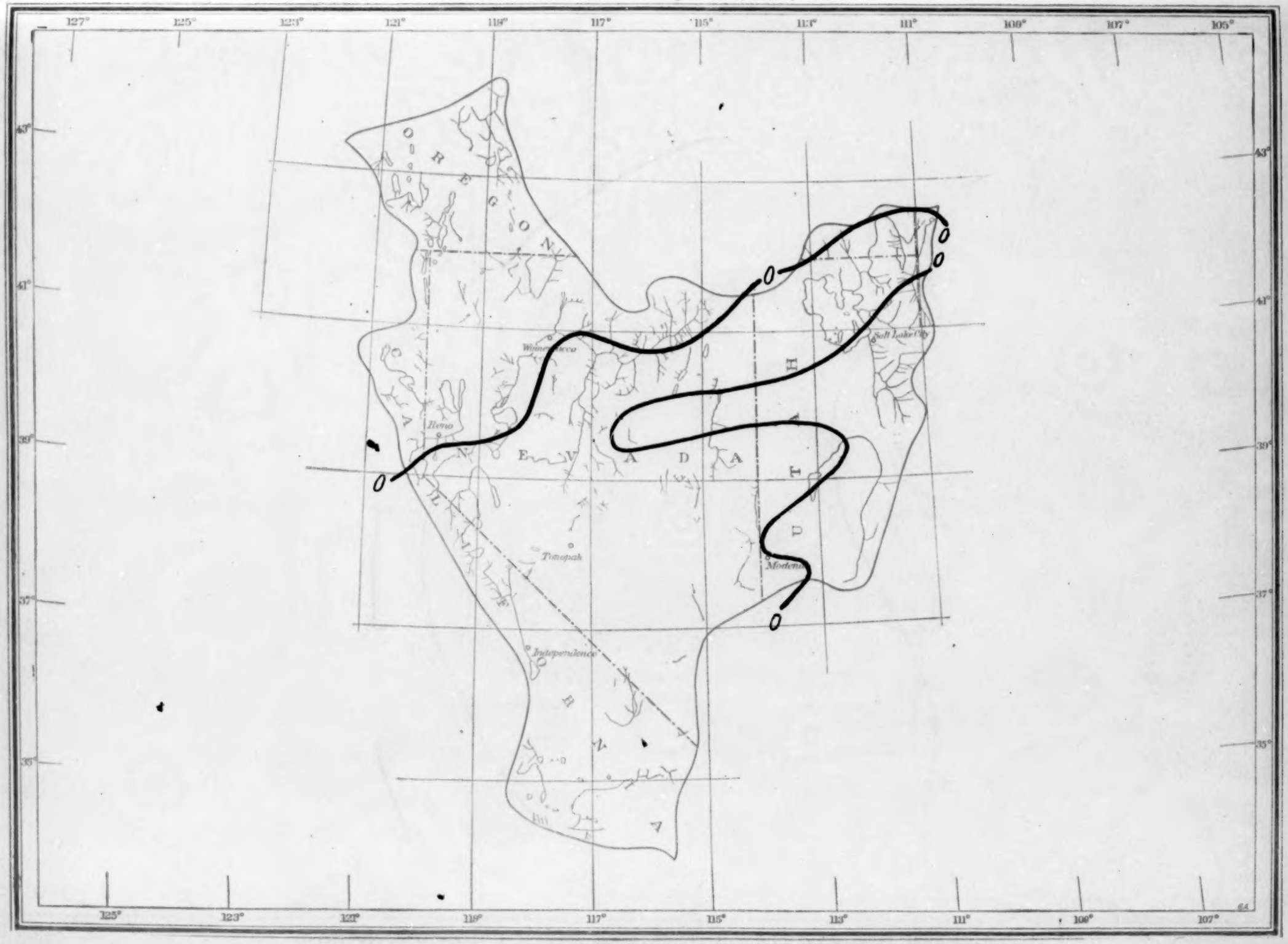


**District No.9.—Departure of the Mean Temperature from the Normal, June, 1910.**

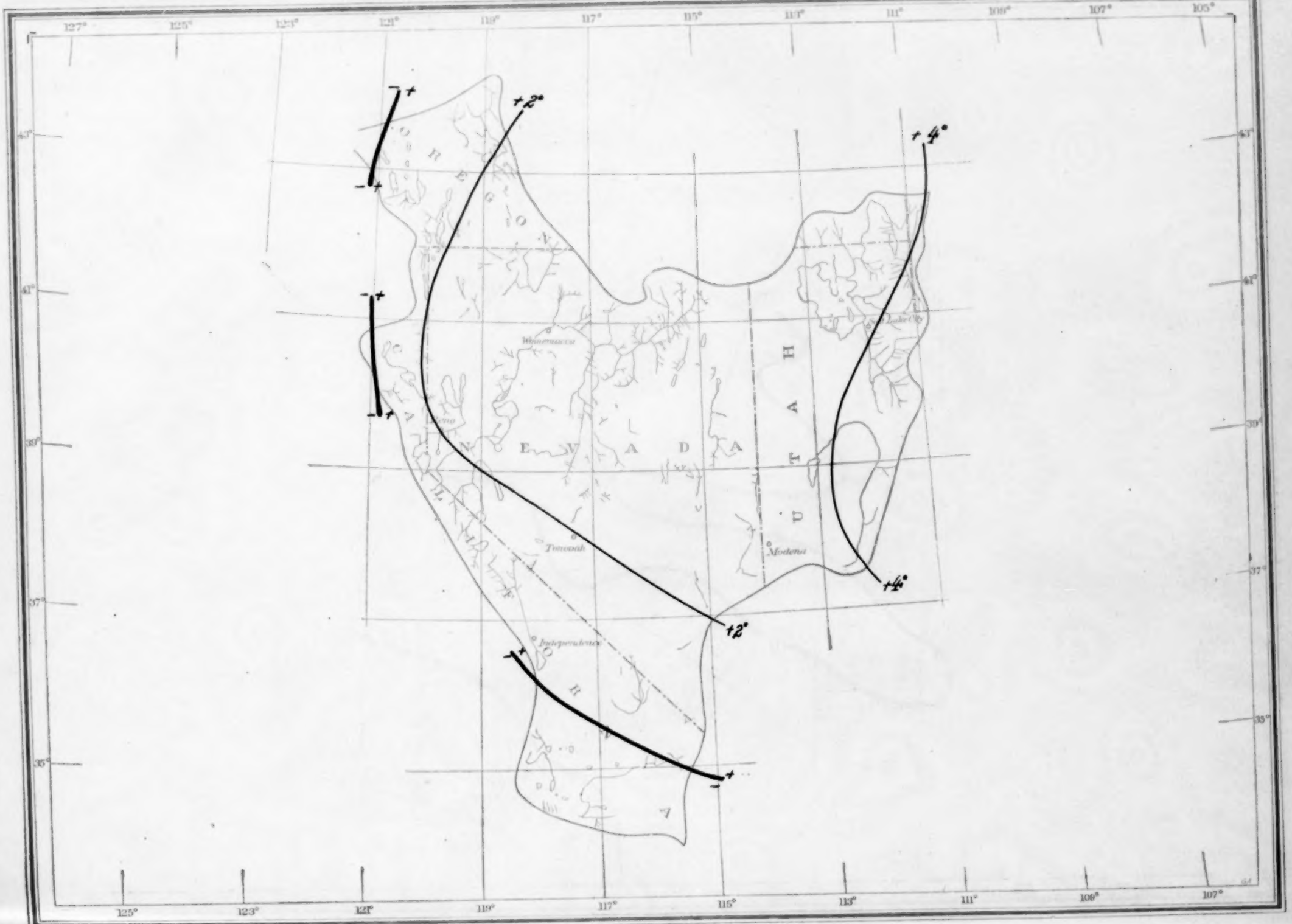



**District No.10.—Total Precipitation, June, 1910.**

## District No. 10.—Total Precipitation, June, 1910.

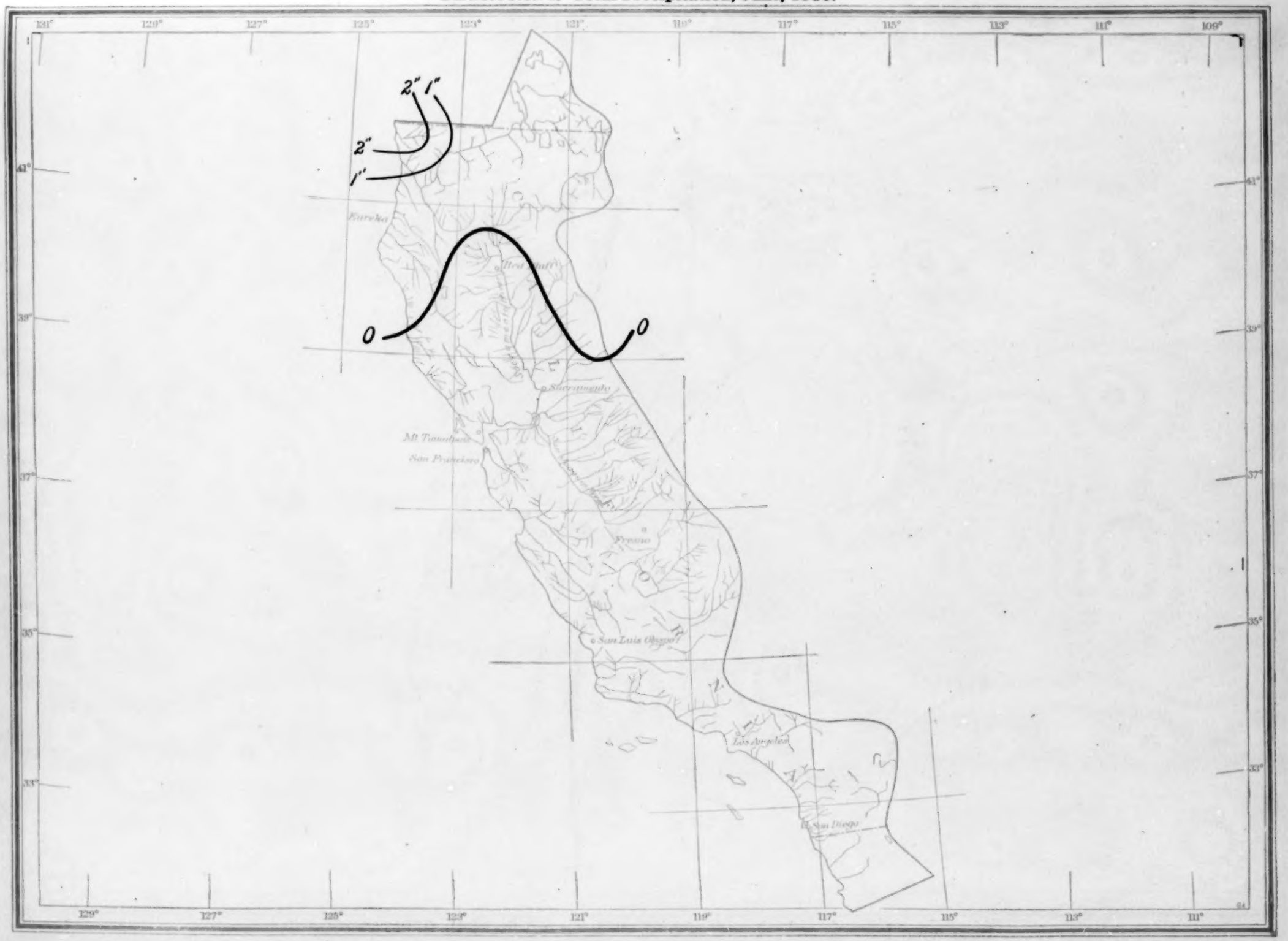


**District No.10.–Departure of the Mean Temperature from the Normal, June, 1910.**

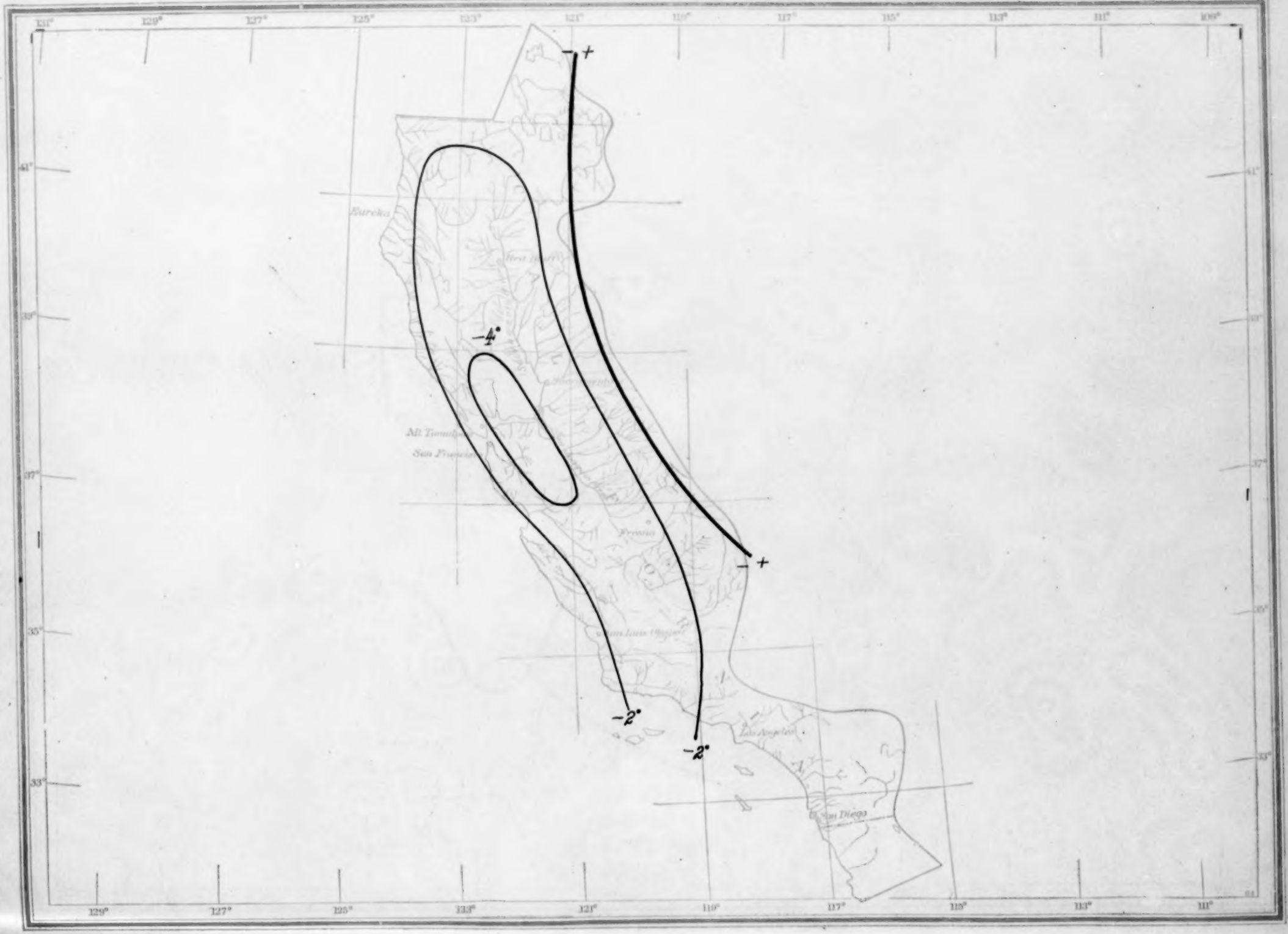



**District No.11—Total Precipitation, June, 1910.**

## District No. 11.—Total Precipitation, June, 1910.

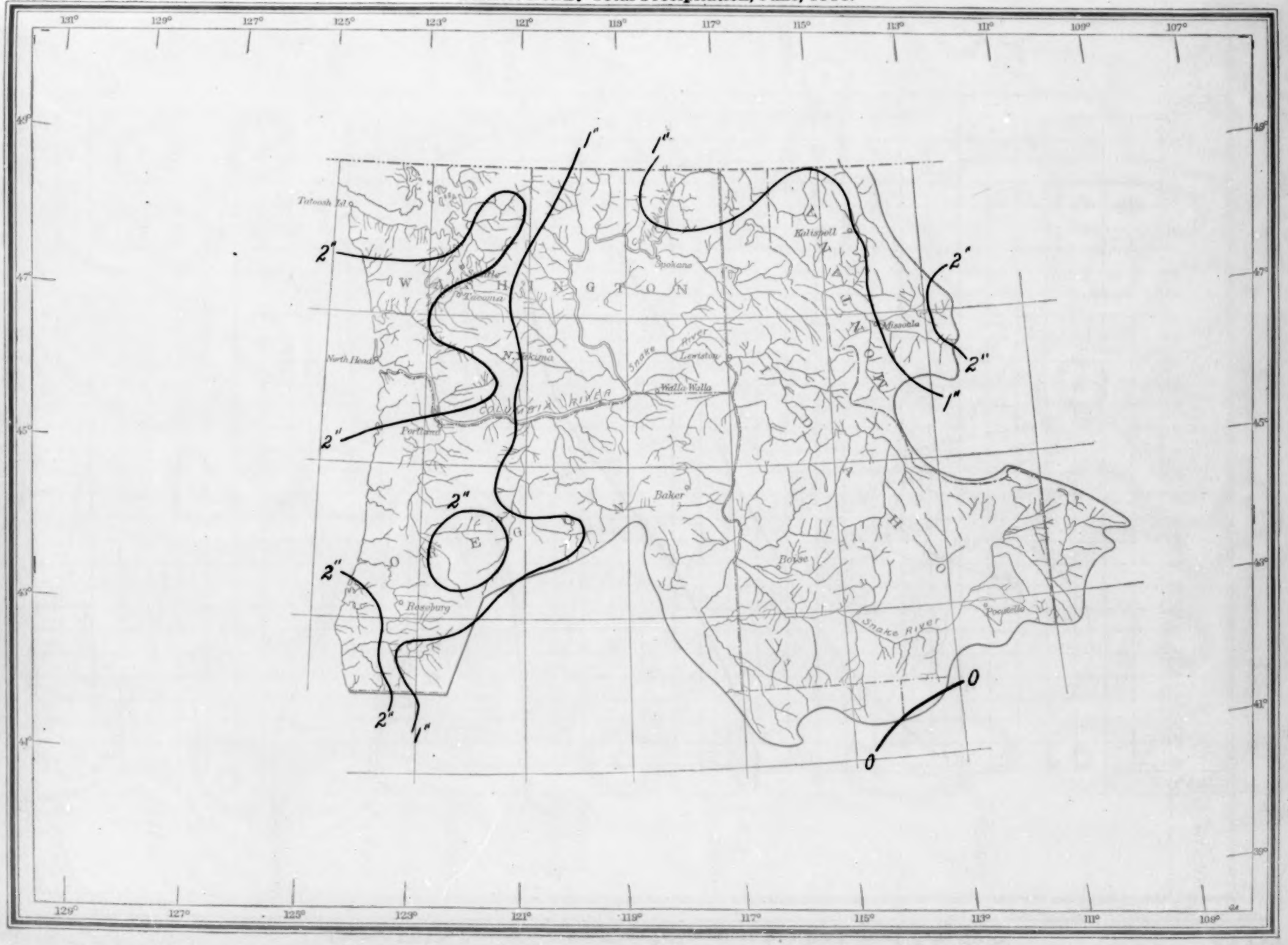


District No.11.—Departure of the Mean Temperature from the Normal, June, 1910.




District No.12.—Total Precipitation, June, 1910.

**District No. 12.—Total Precipitation, June, 1910.**



District No.12.–Departure of the Mean Temperature from the Normal, June, 1910.

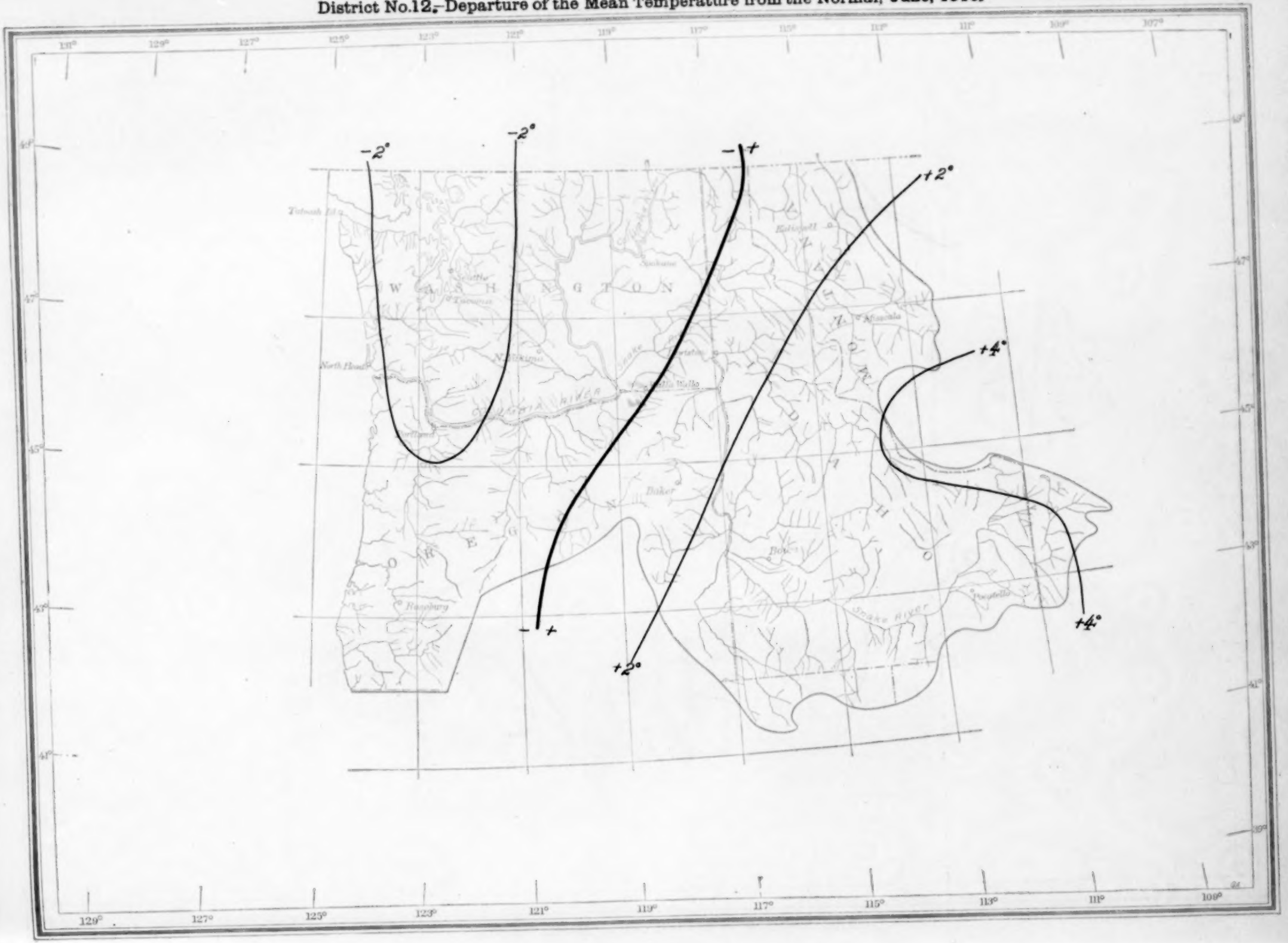
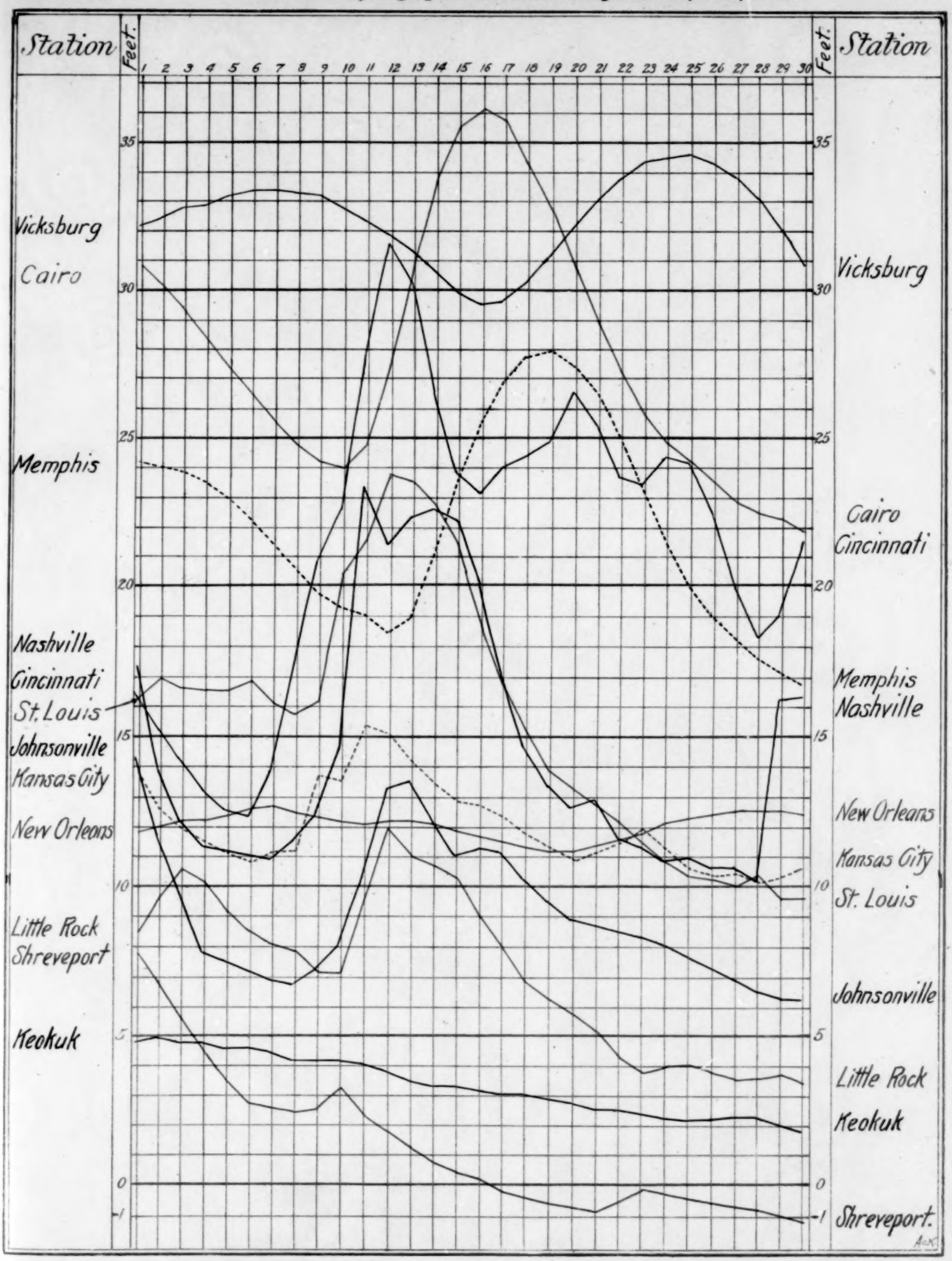
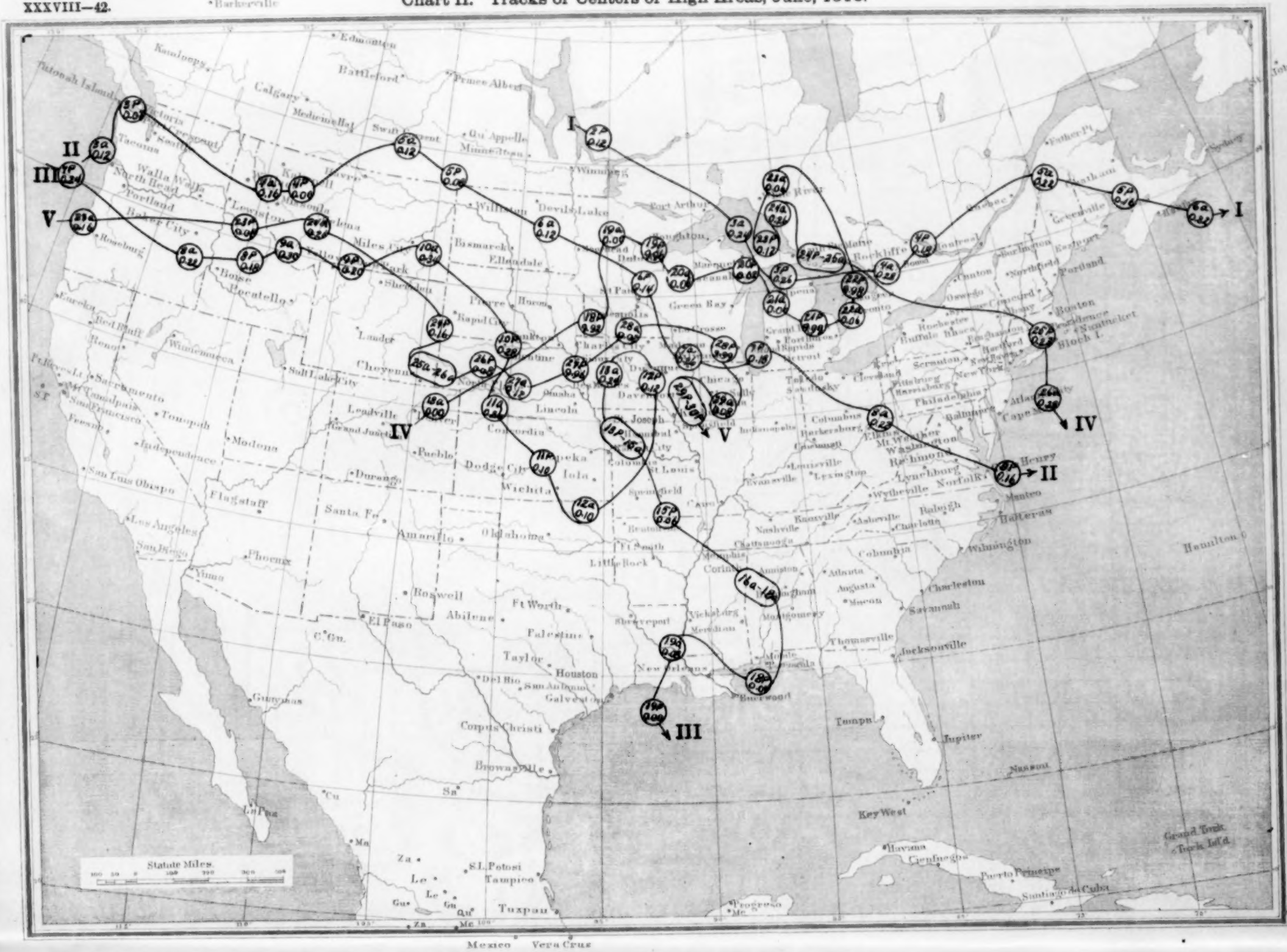


**Chart I. Hydrographs of Several Principal Rivers, June, 1910.**



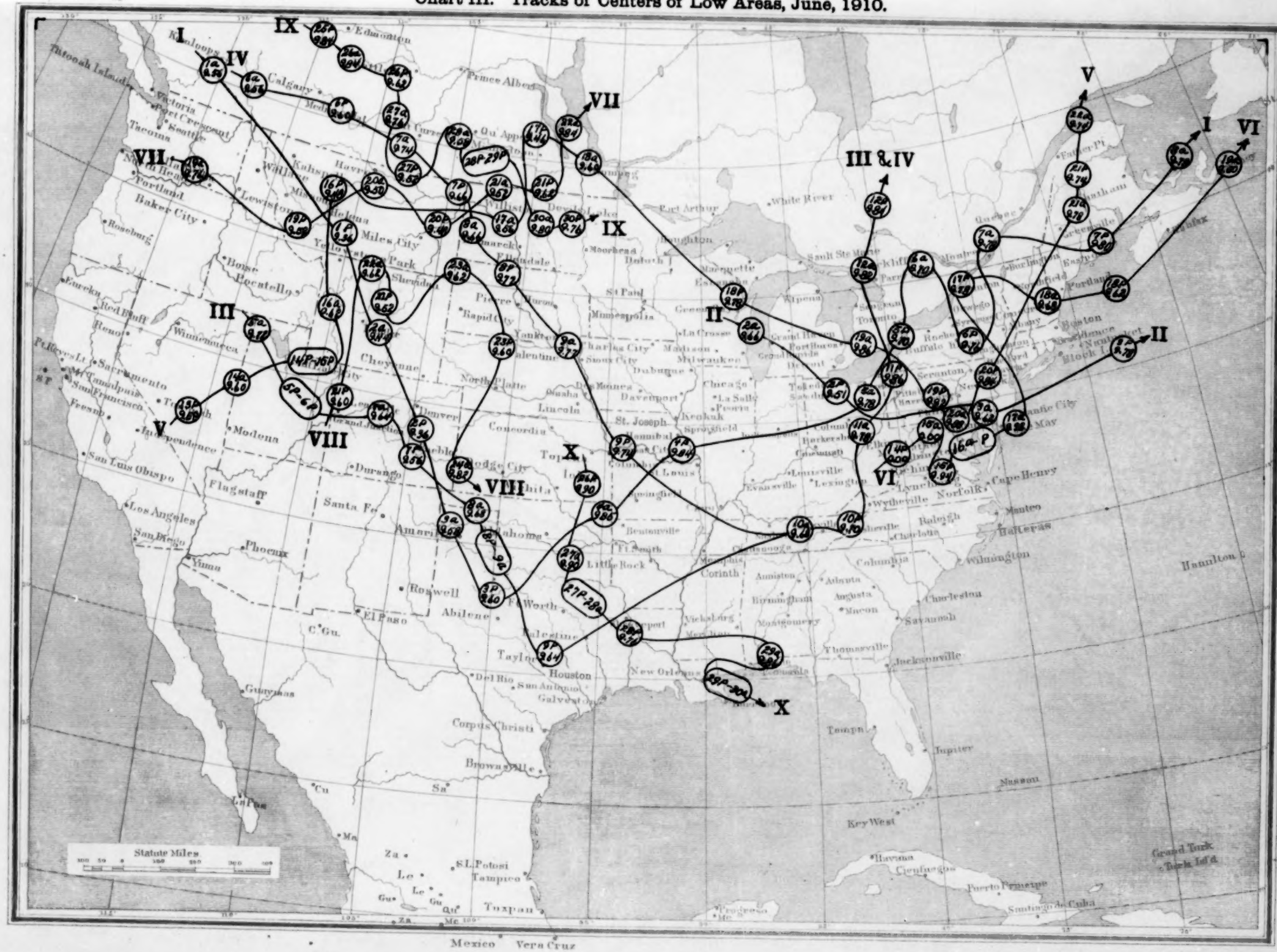
## Chart II. Tracks of Centers of High Areas, June, 1910.



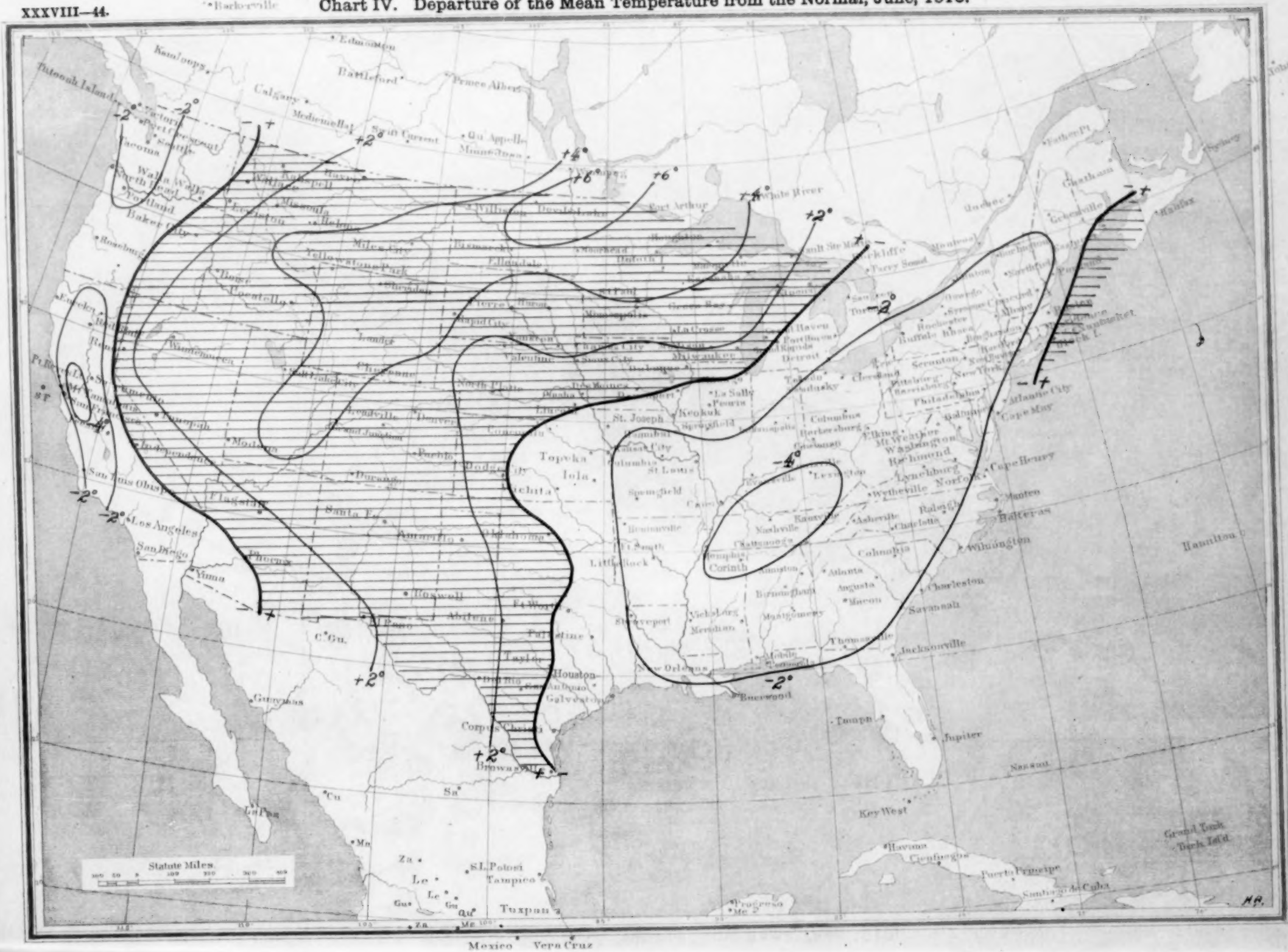



## Chart III. Tracks of Centers of Low Areas, June, 1910.

## Chart III. Tracks of Centers of Low Areas, June, 1910.



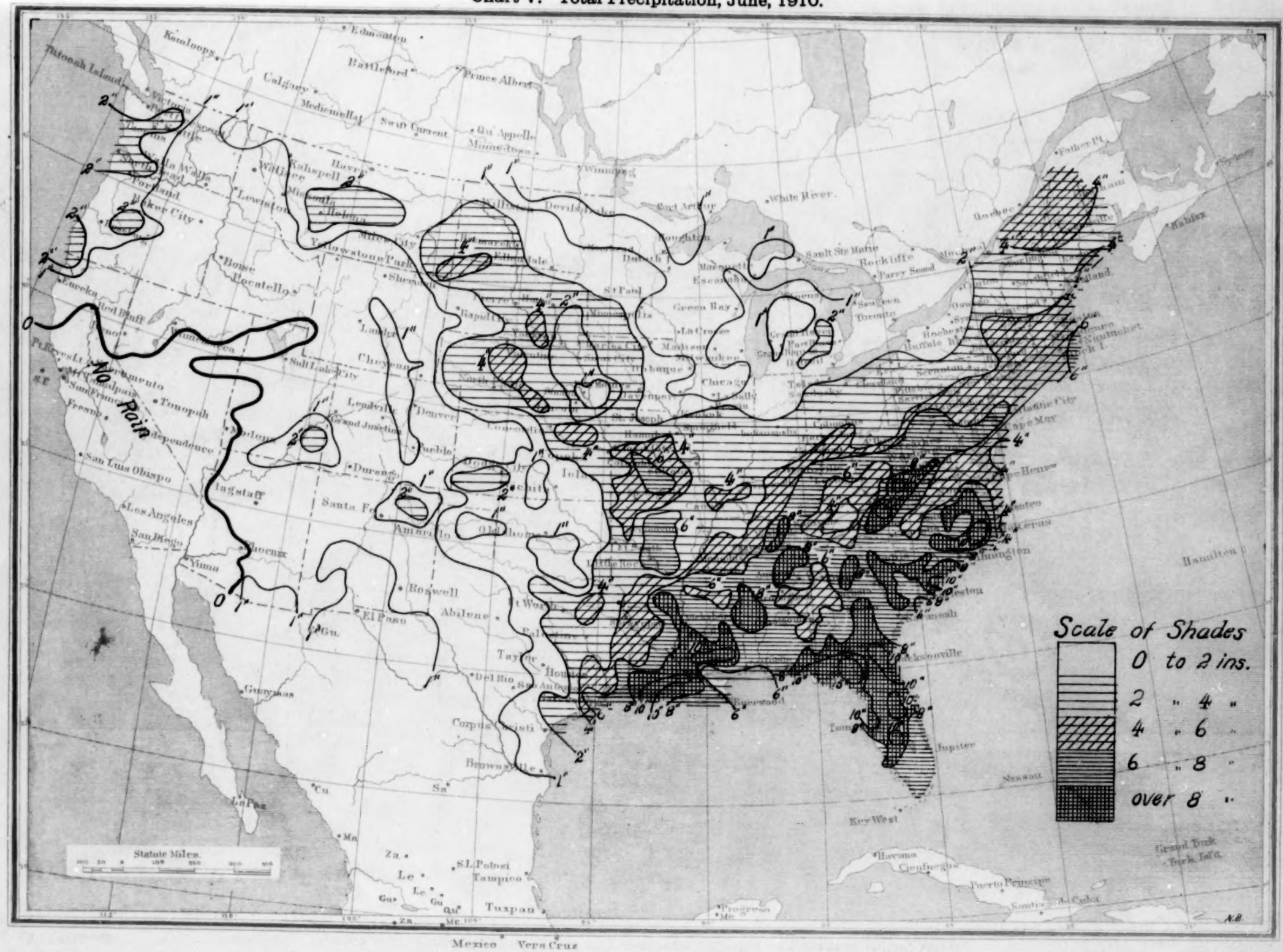
## Chart IV. Departure of the Mean Temperature from the Normal, June, 1910.





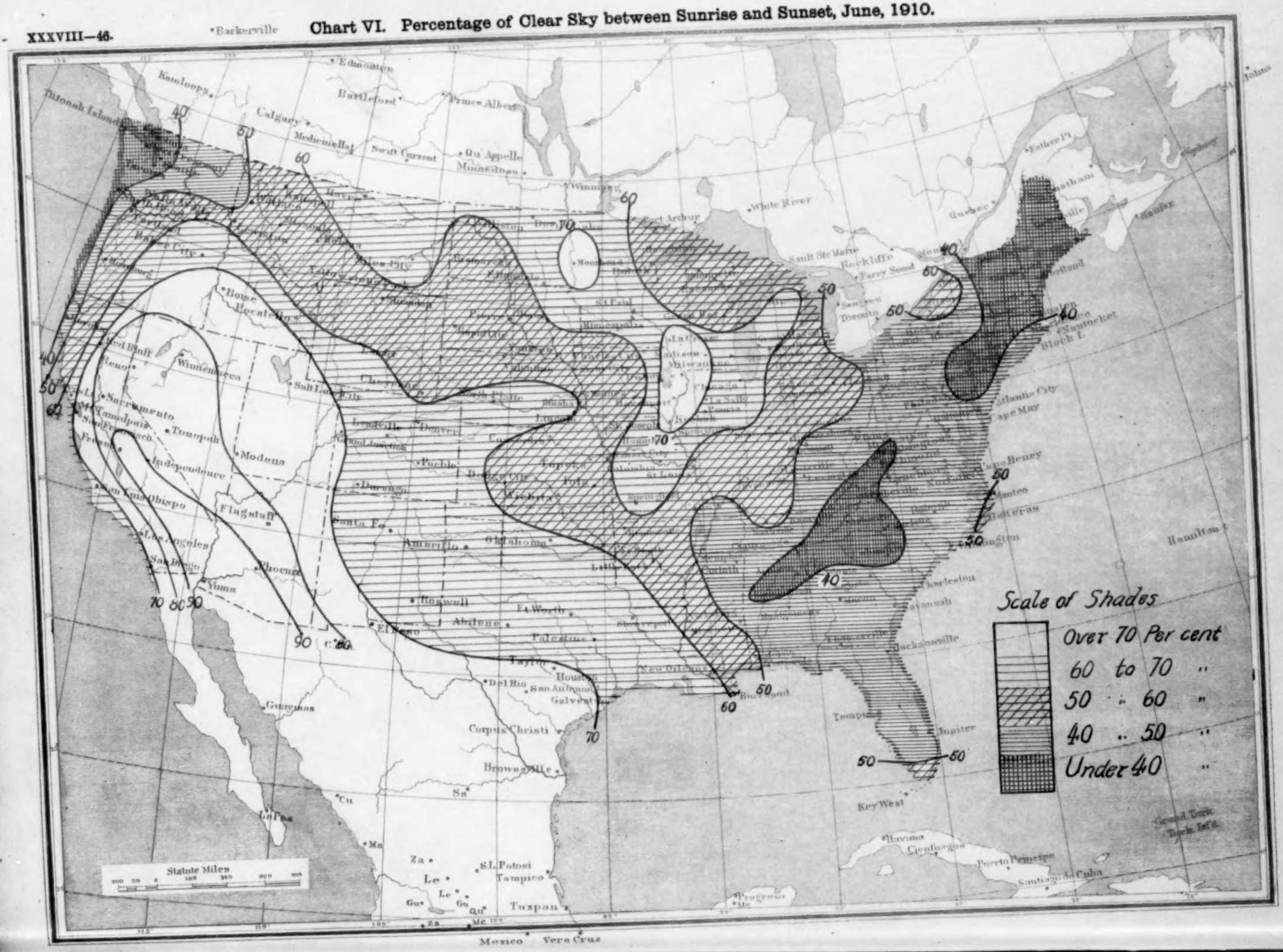

## Chart V. Total Precipitation, June, 1910.

## Chart V. Total Precipitation, June, 1910.

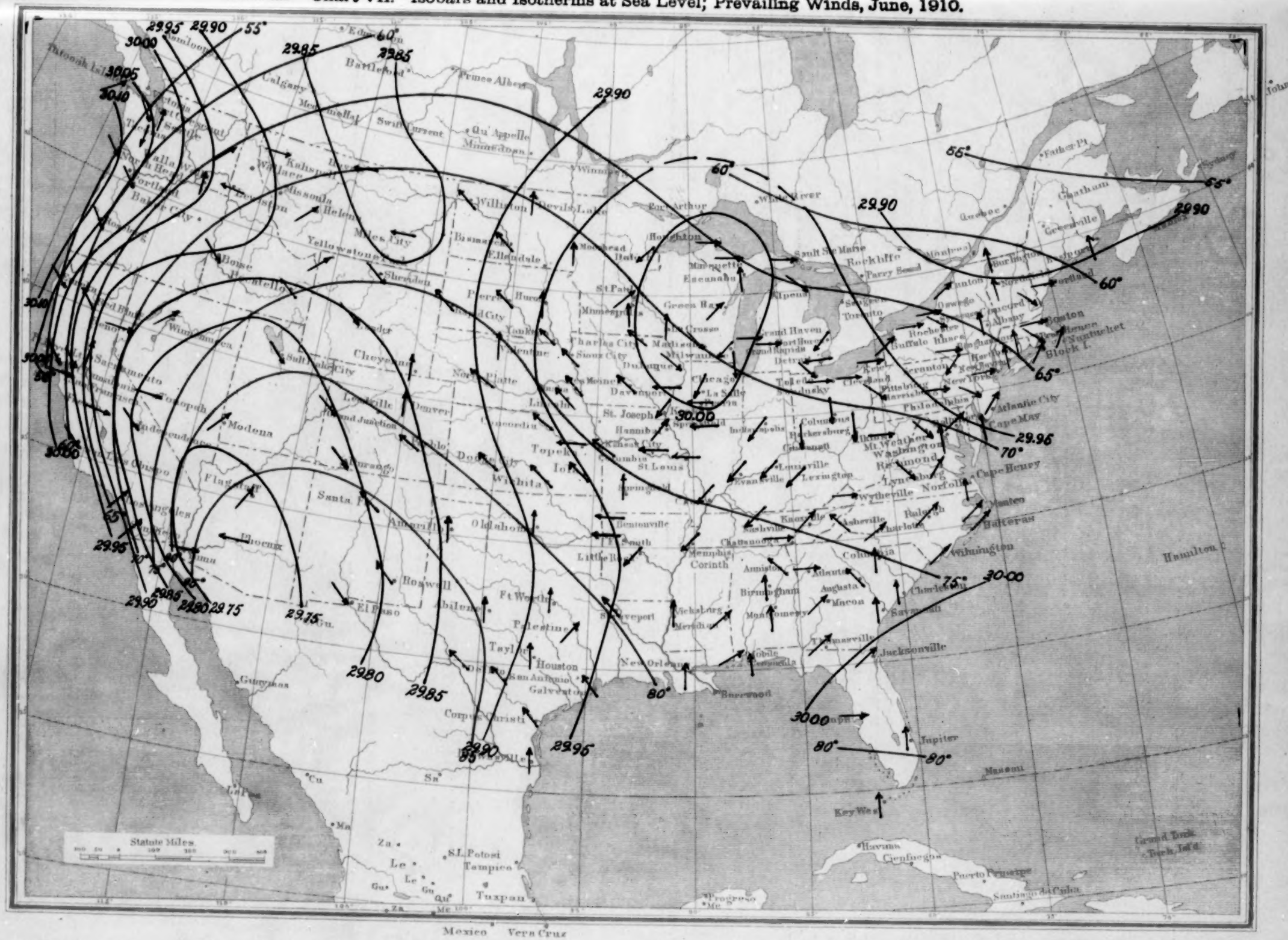


XXXVIII—46.

## Chart VI. Percentage of Clear Sky between Sunrise and Sunset, June, 1910.




XXXVIII—47.

## Chart VII. Isobars and Isotherms at Sea Level; Prevailing Winds, June, 1910.

# Chart VII. Isobars and Isotherms at Sea Level; Prevailing Winds, June, 1910.